

FIG.1



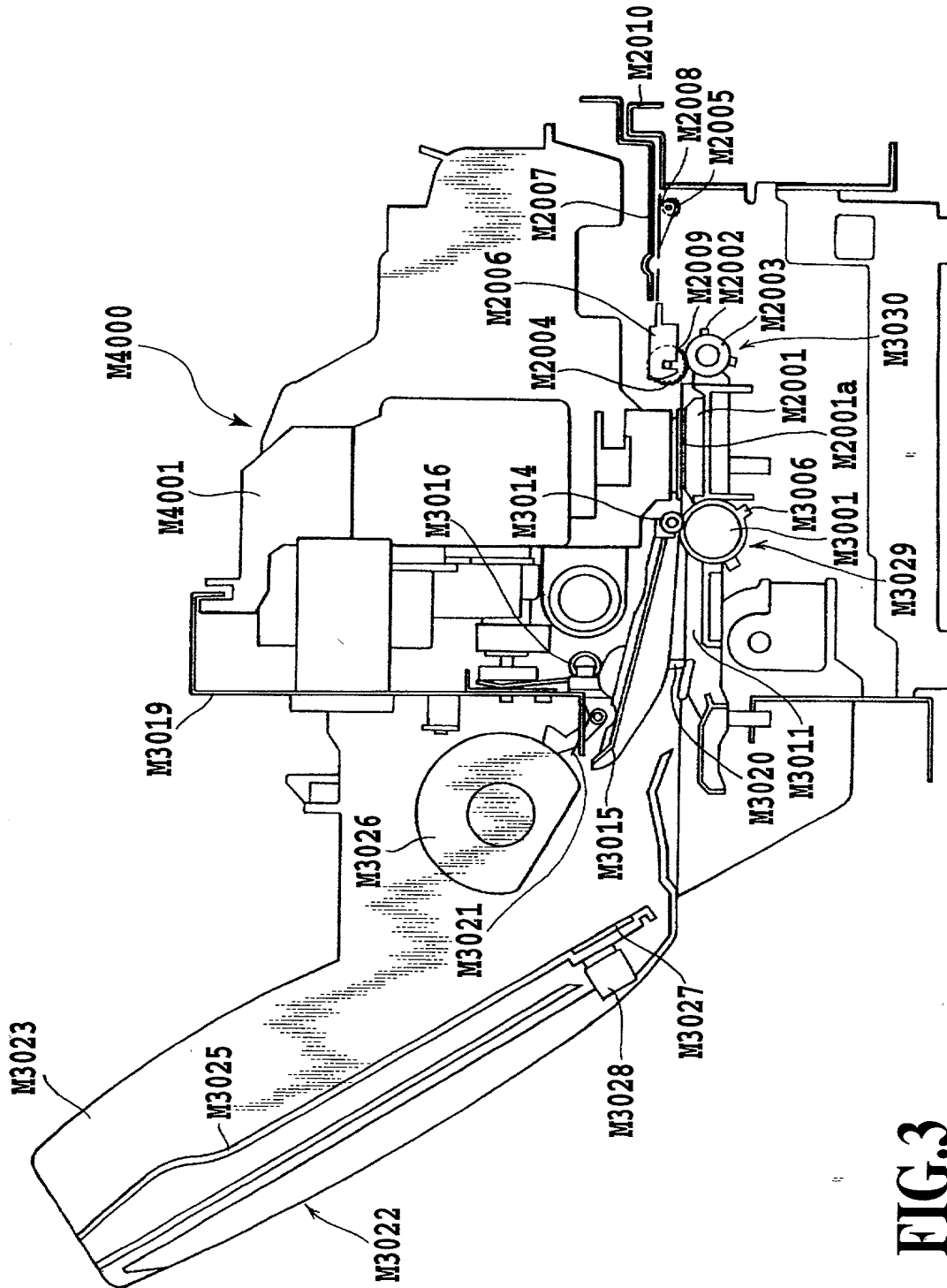


FIG.3

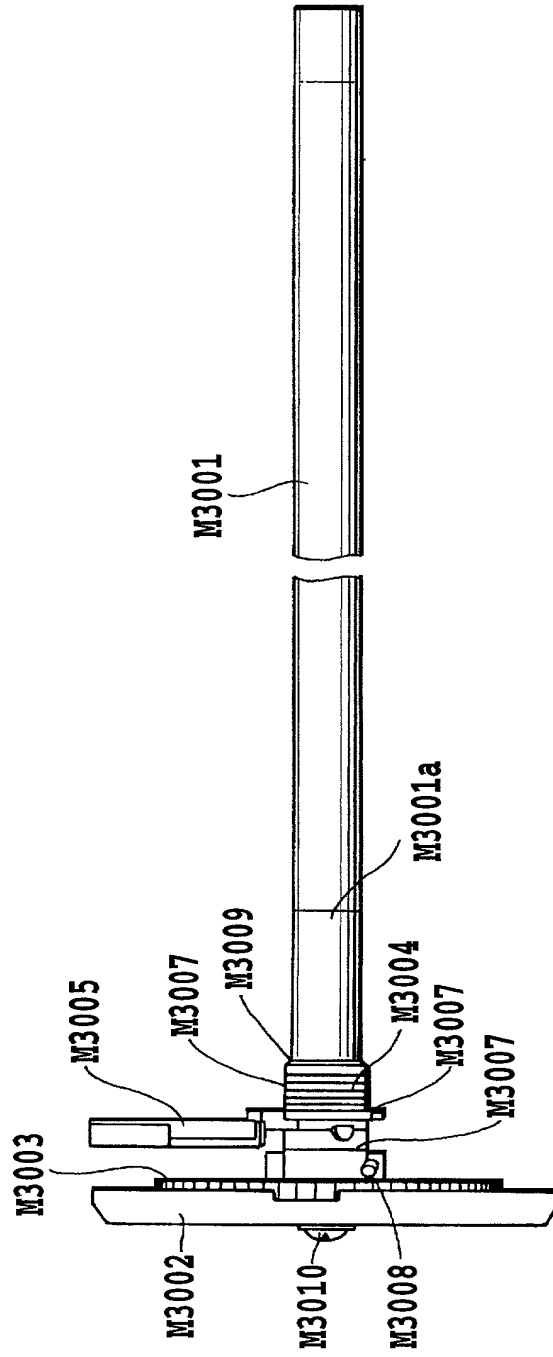


FIG.4

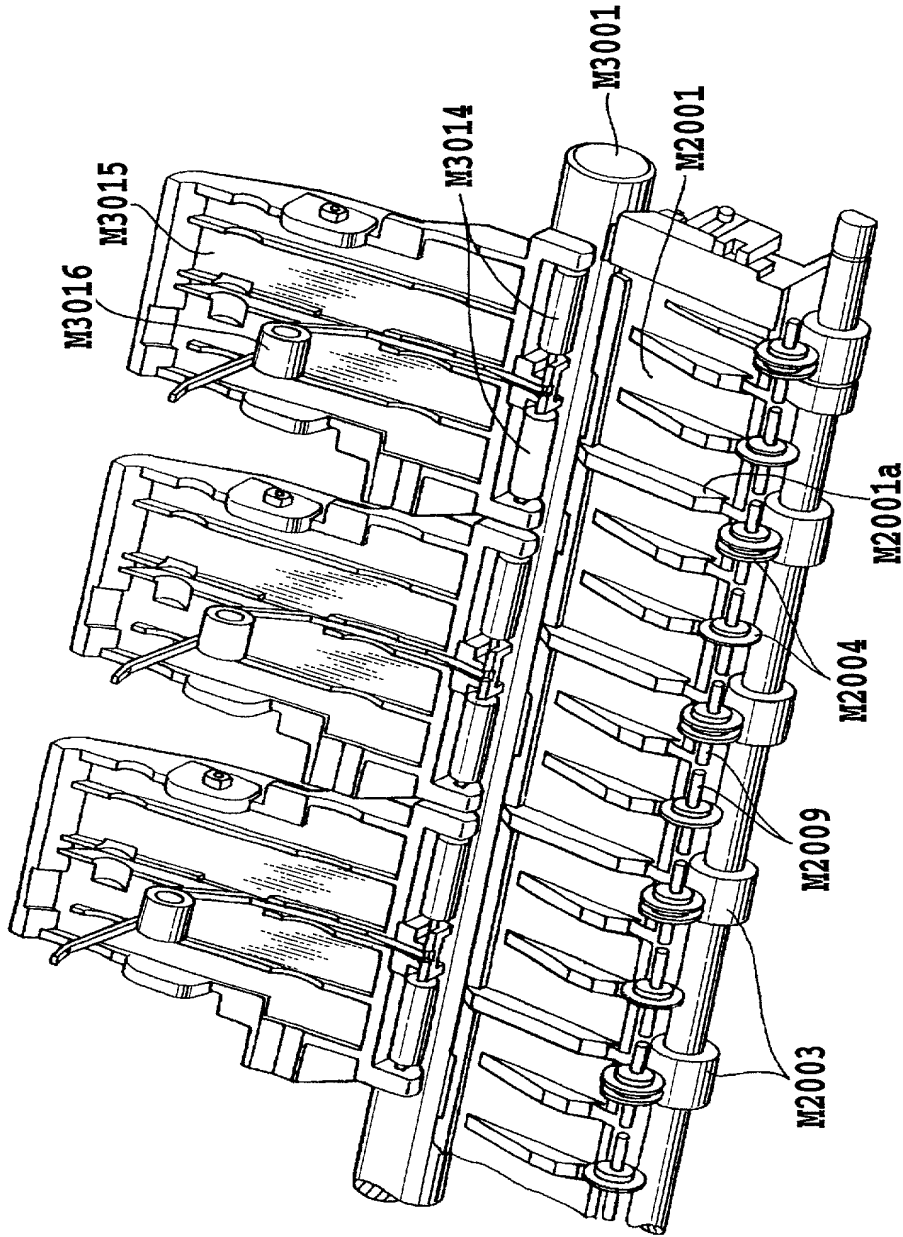


FIG.5

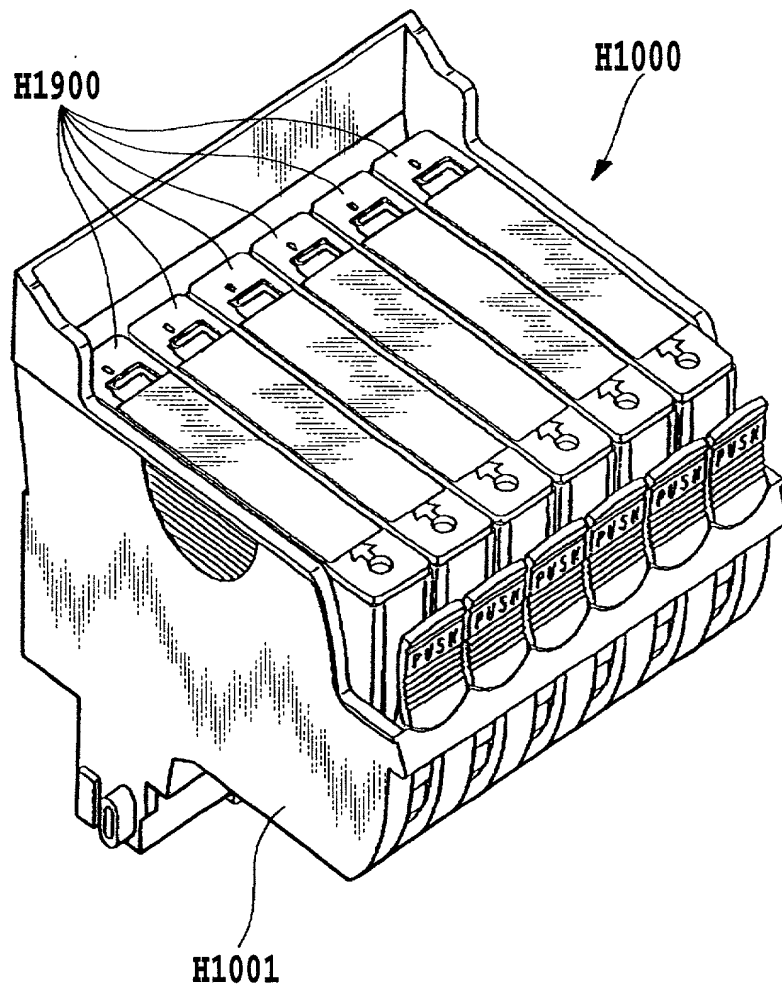


FIG.6

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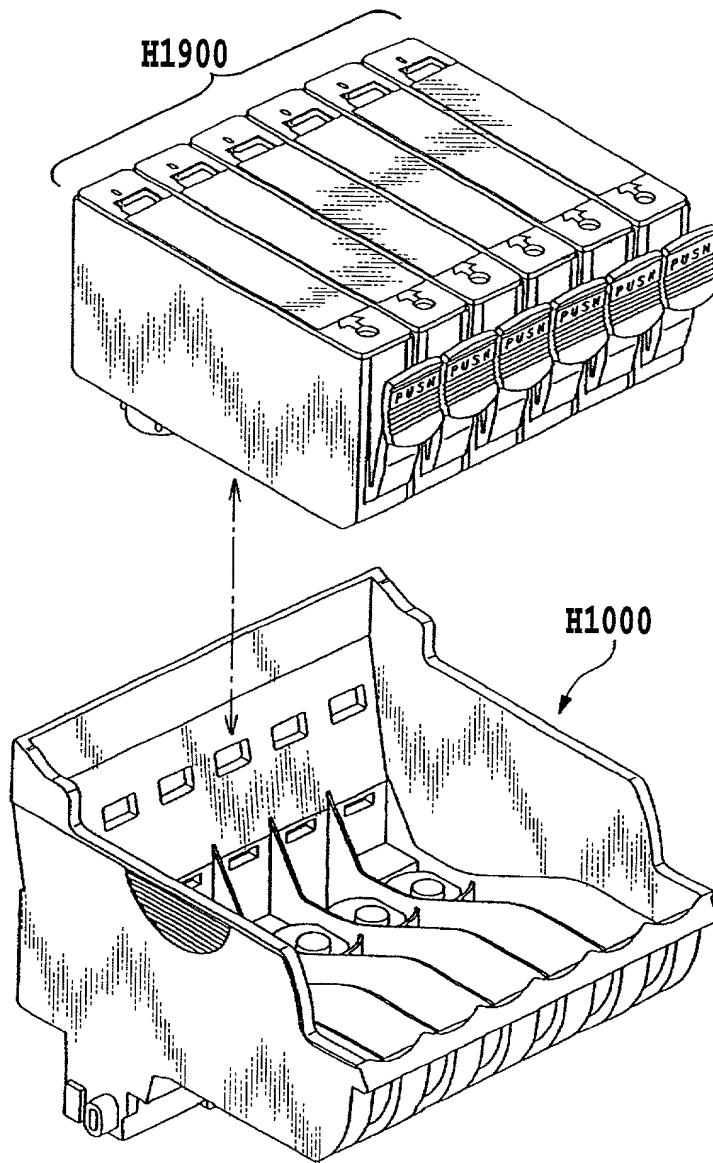


FIG.7

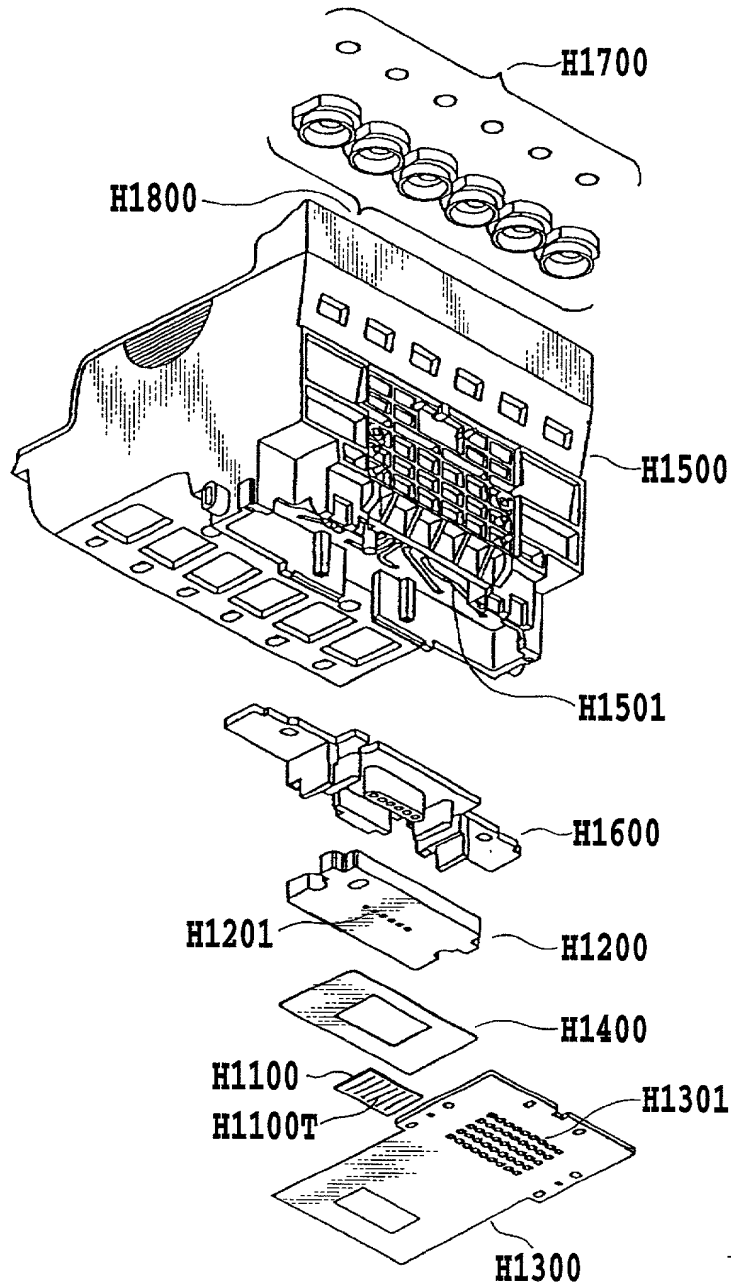


FIG.8

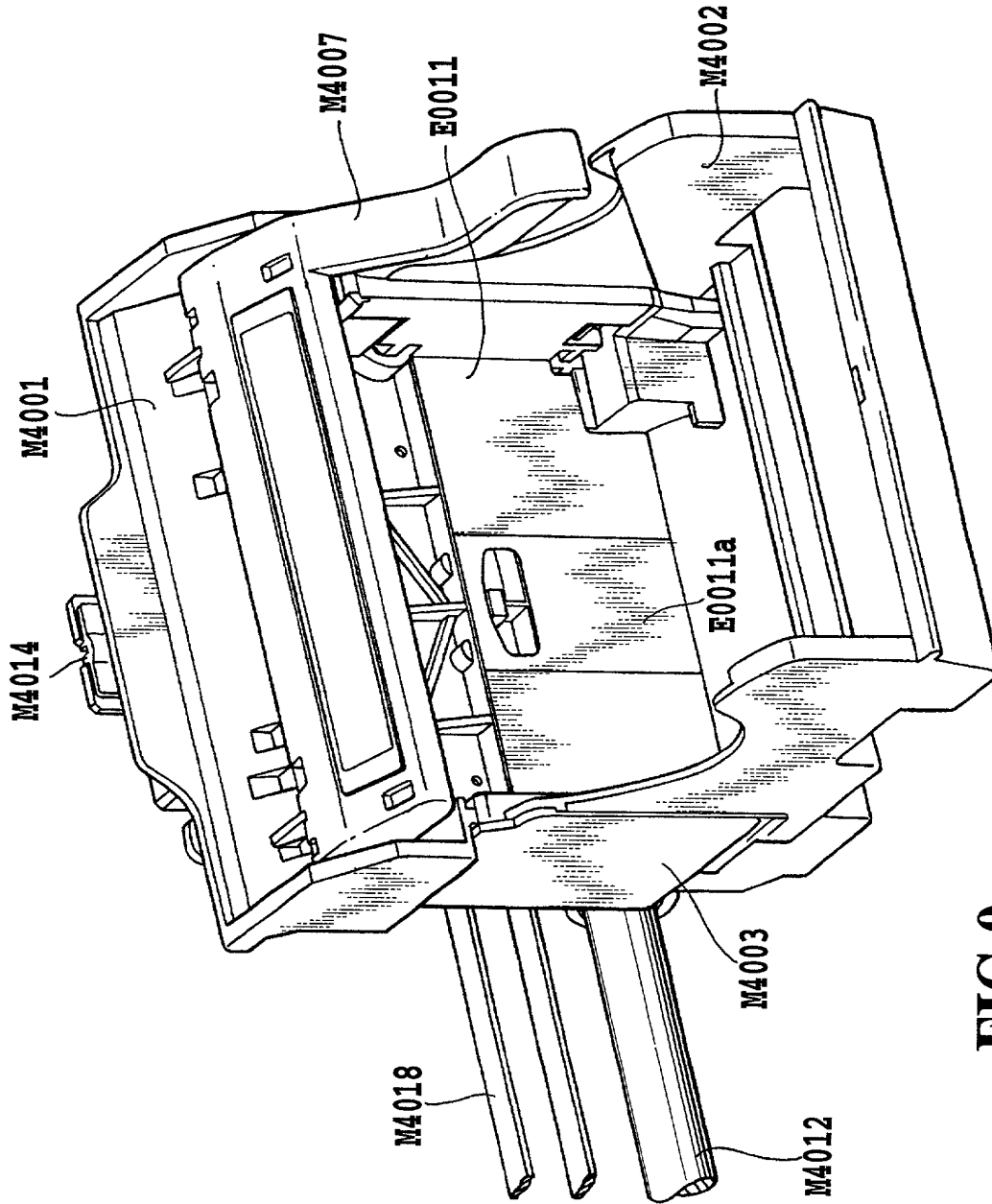


FIG. 9

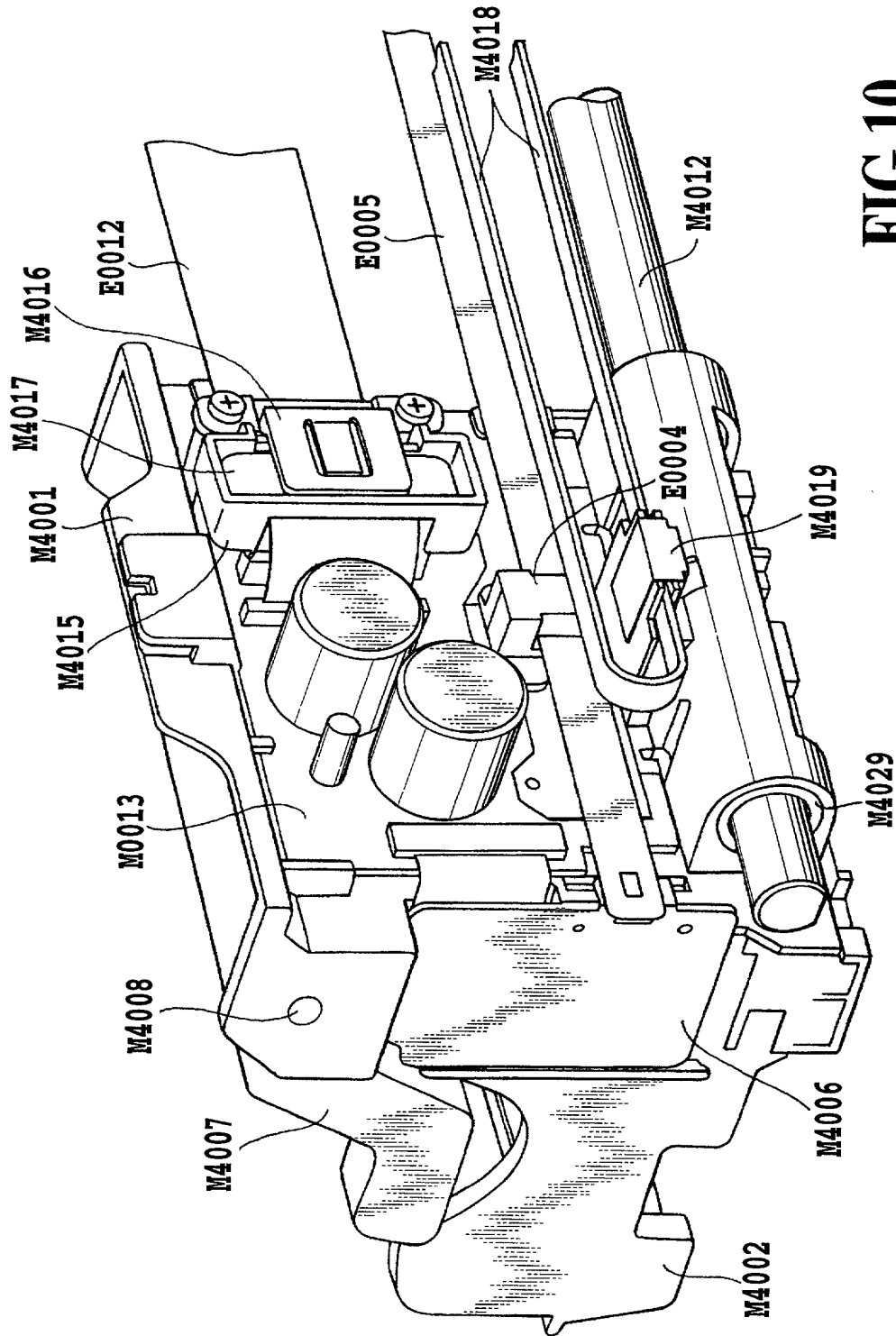


FIG.10

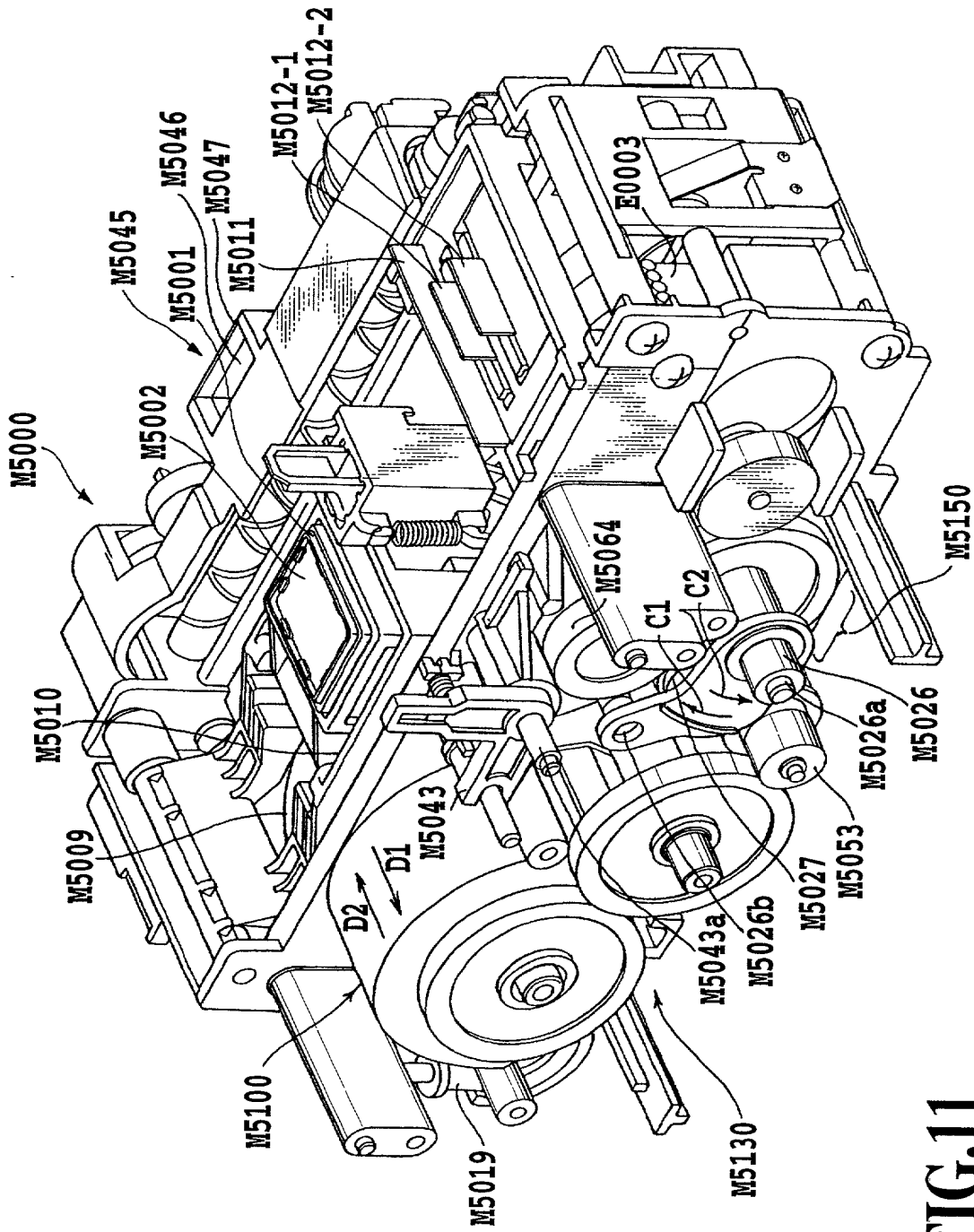


FIG.11



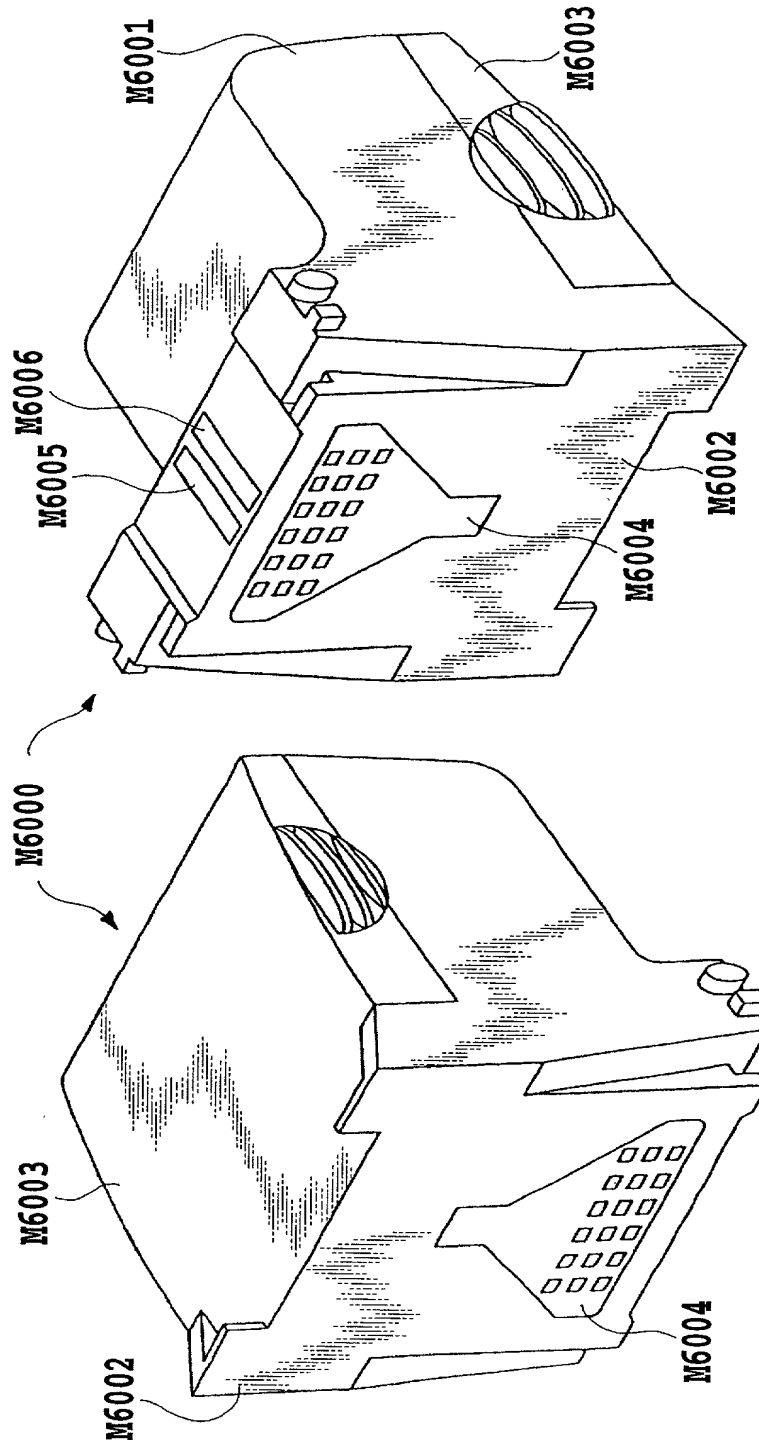


FIG.13B

FIG.13A

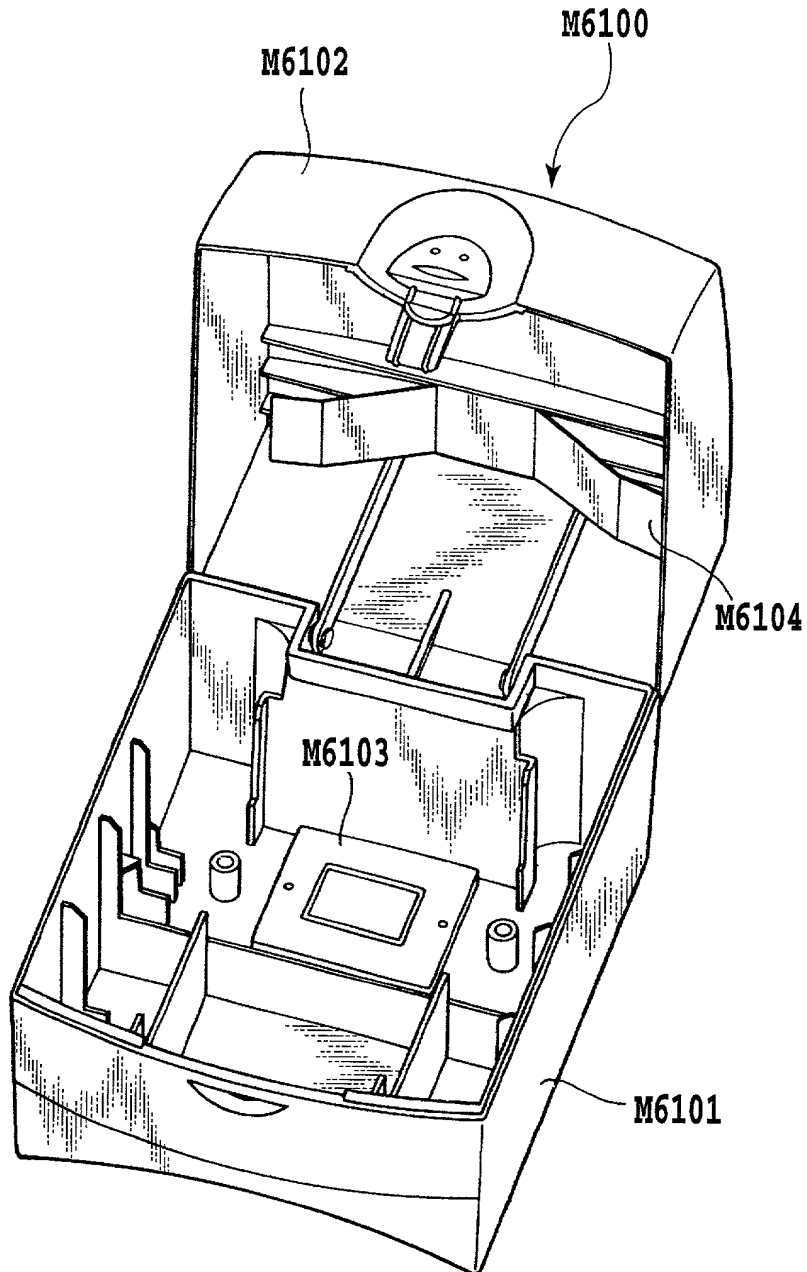


FIG.14

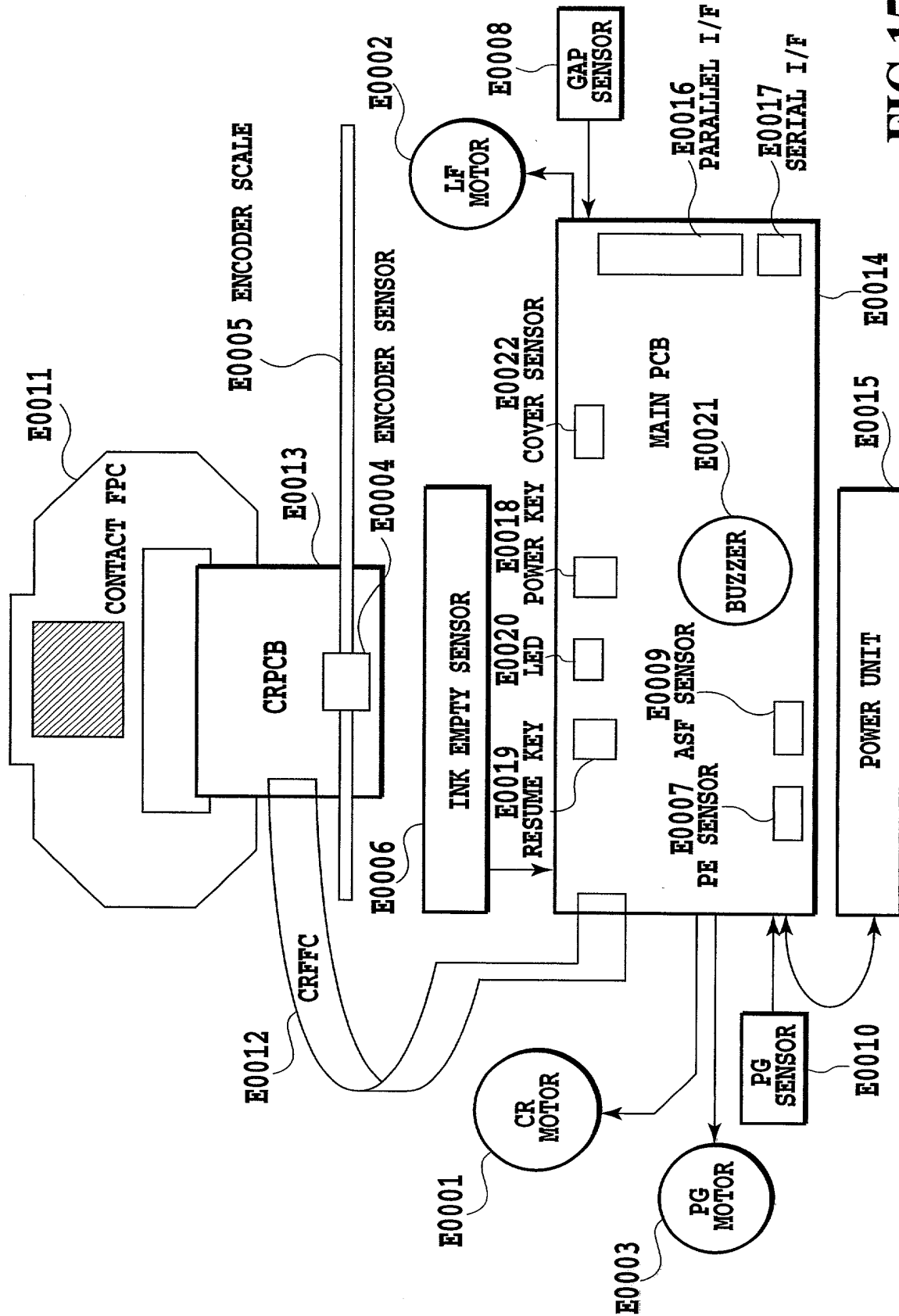


FIG.15

FIG.16

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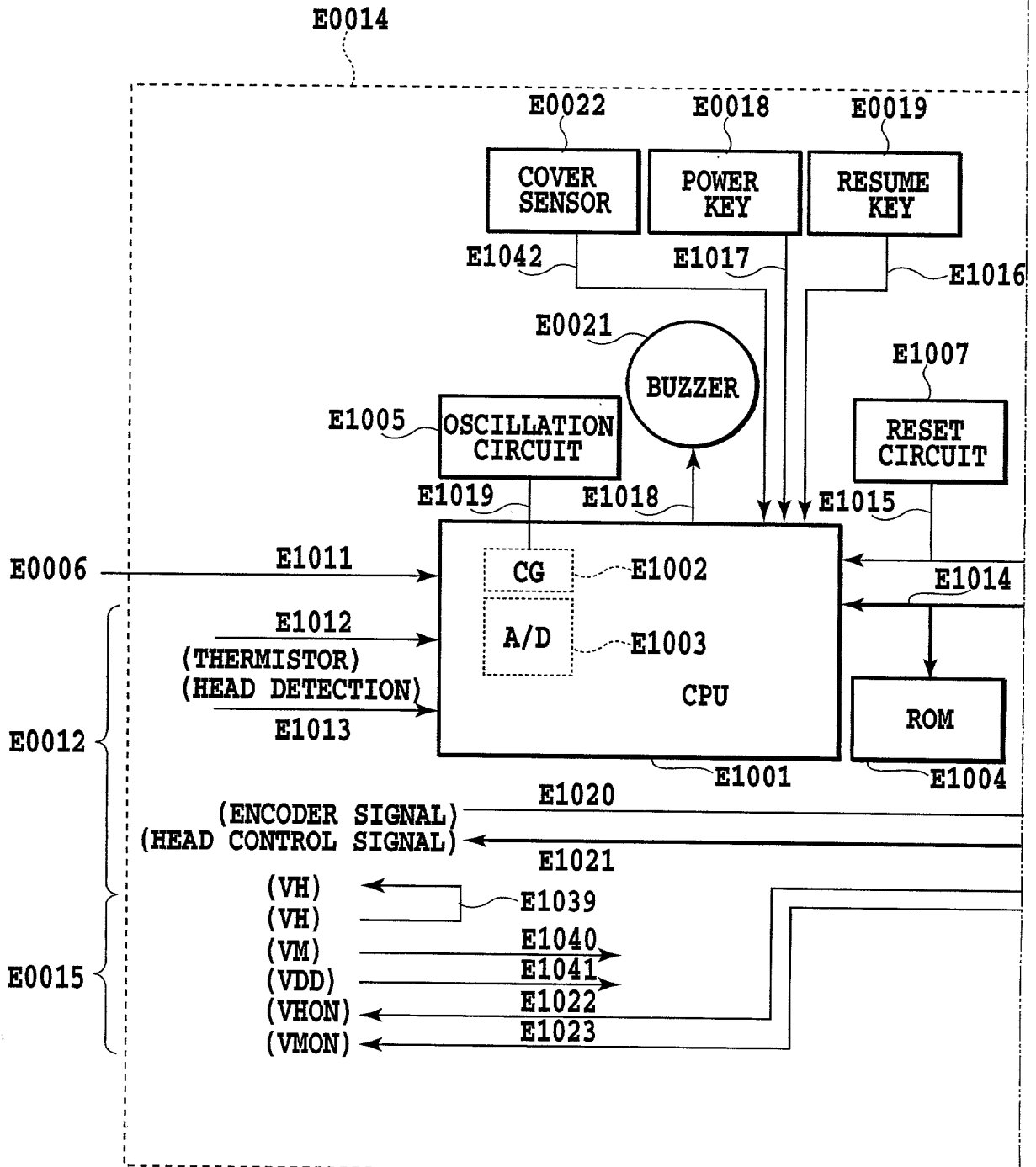
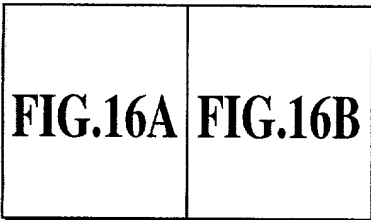


FIG.16A

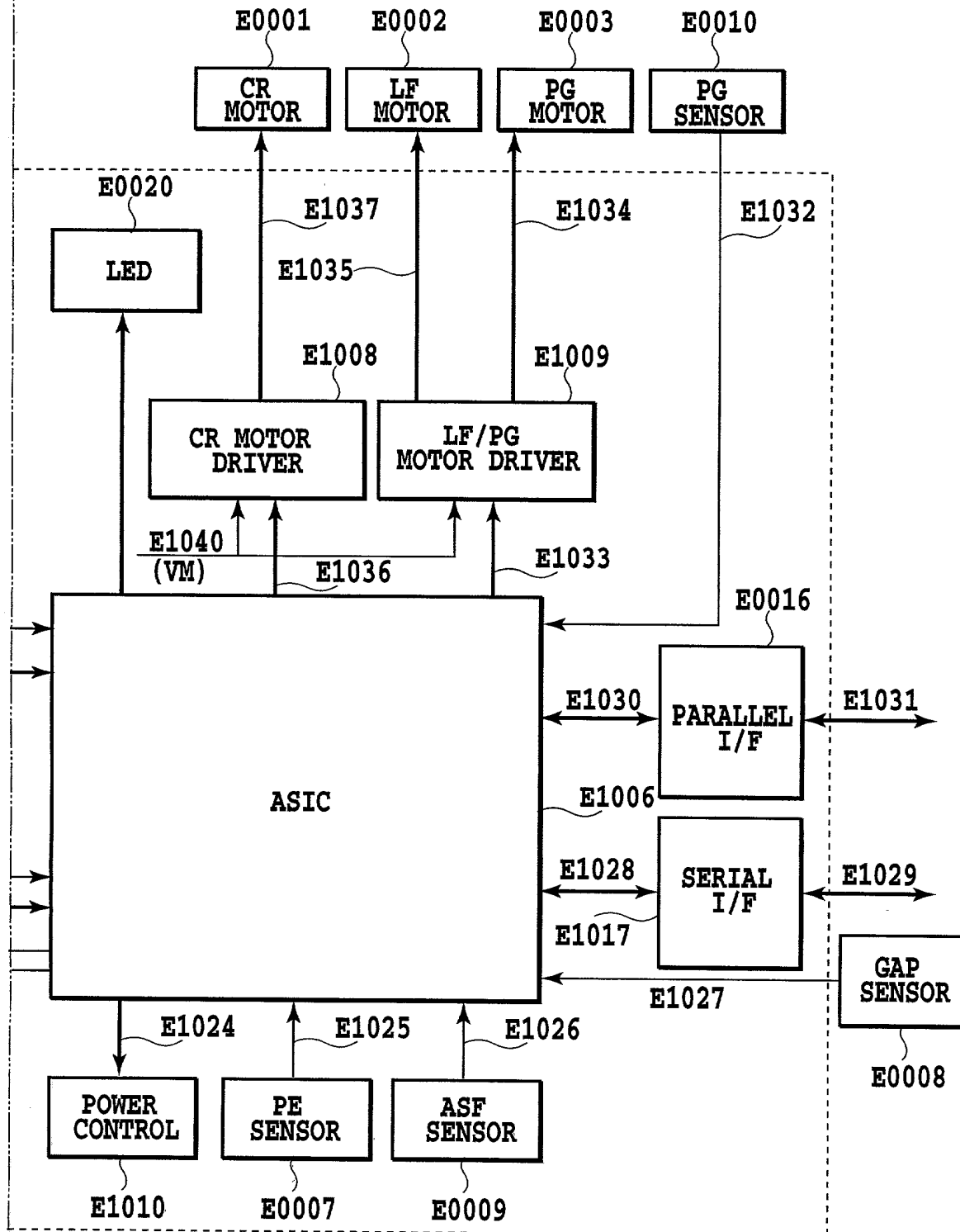


FIG.16B

FIG.17

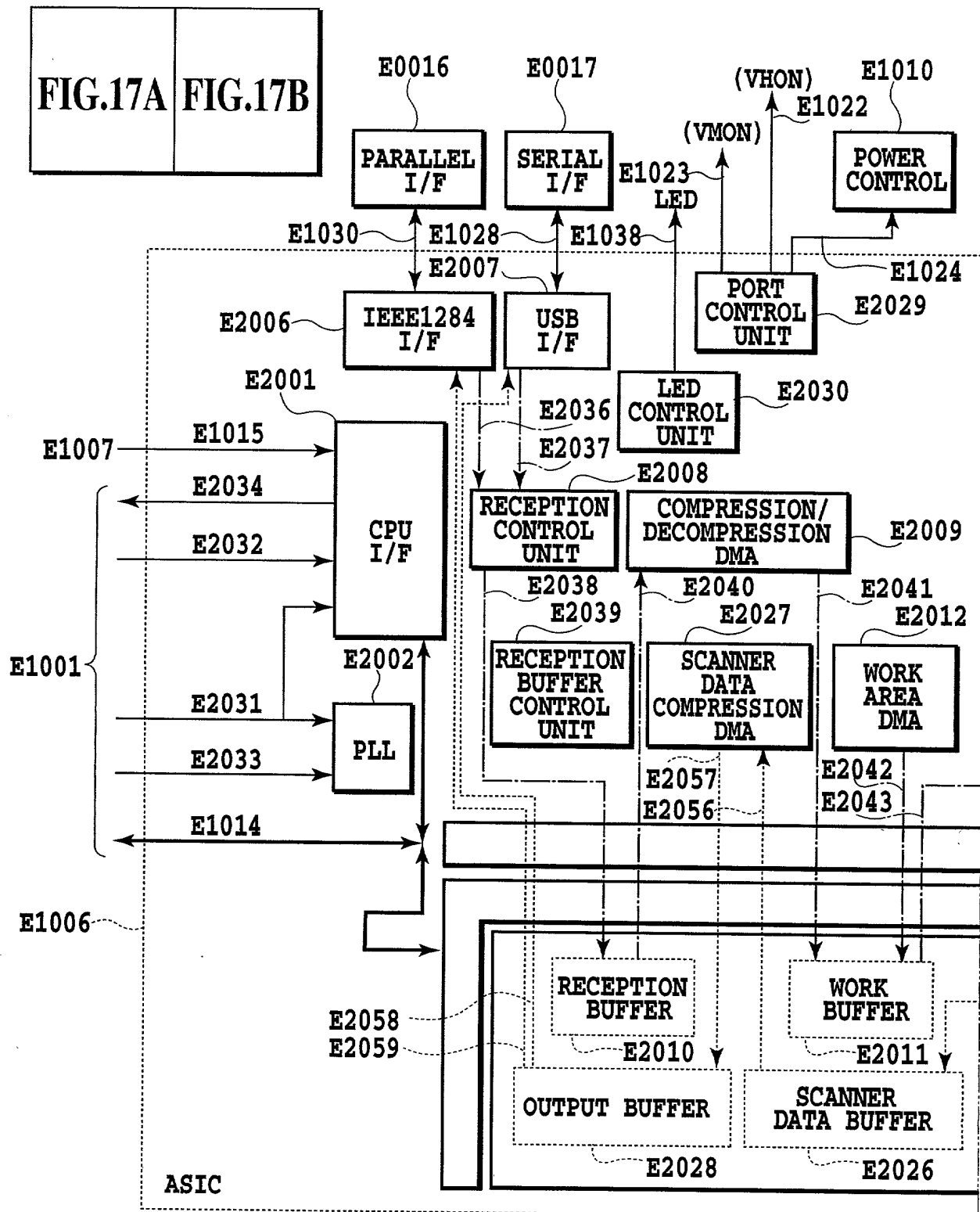


FIG.17A

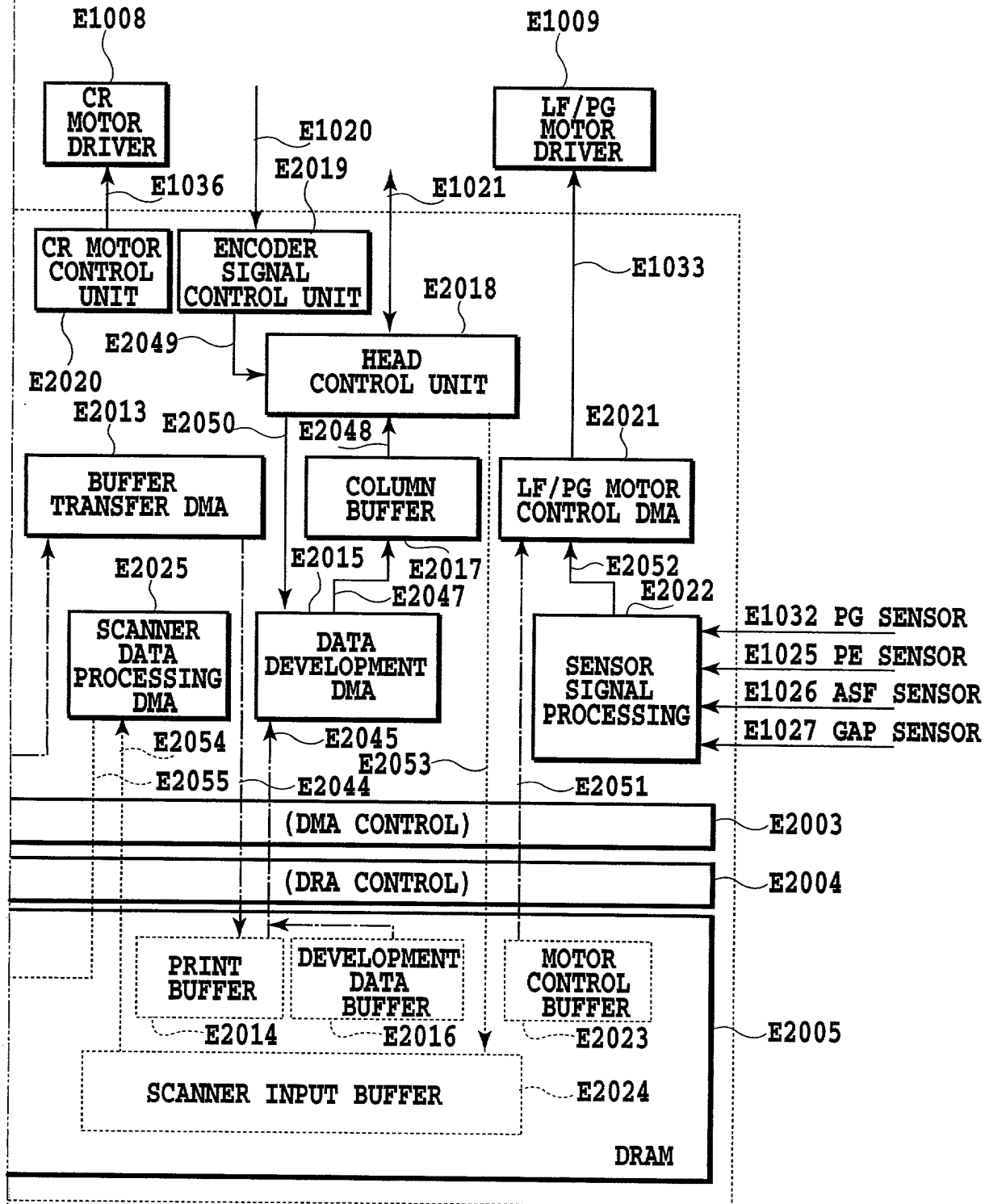


FIG.17B

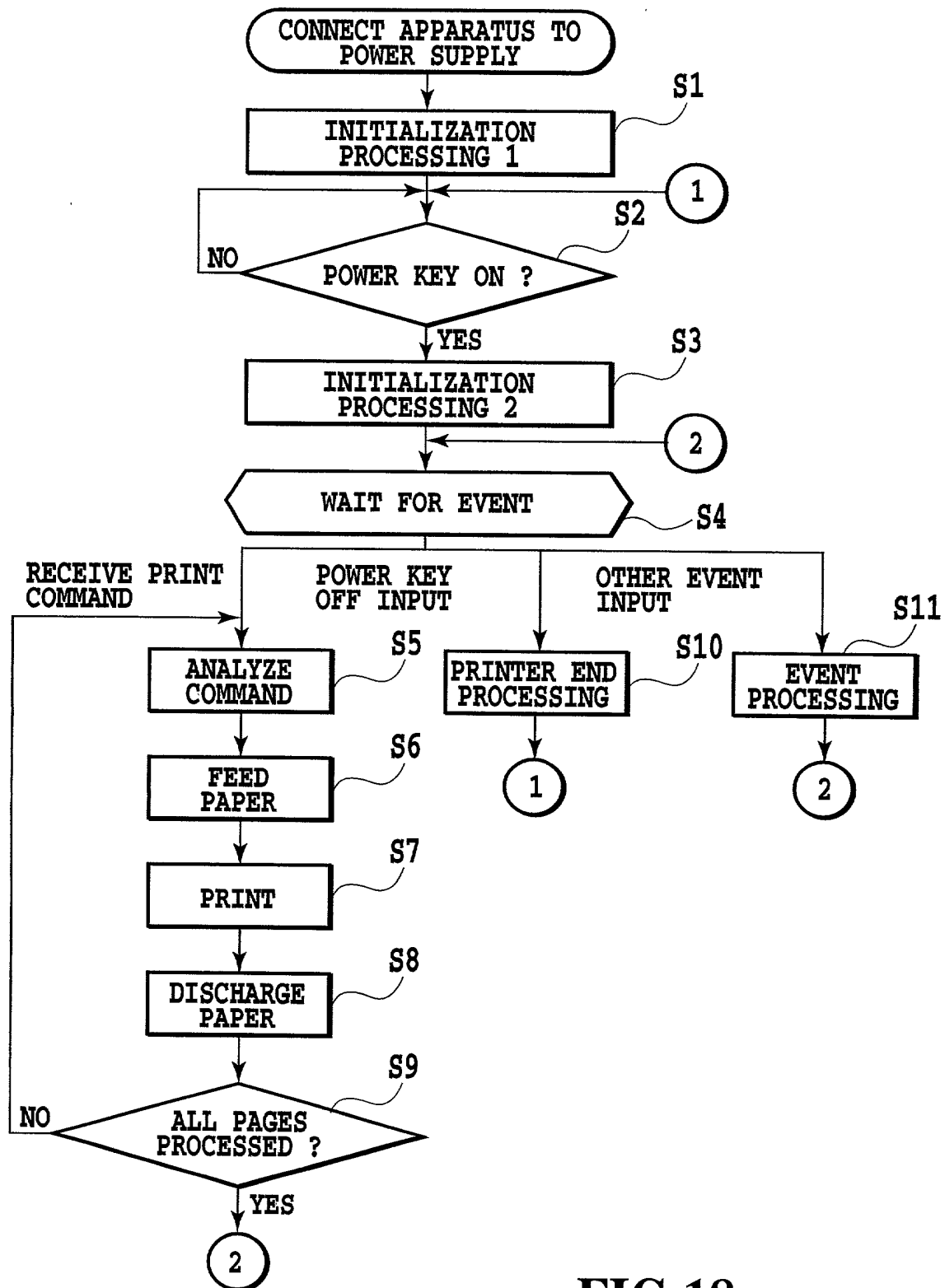
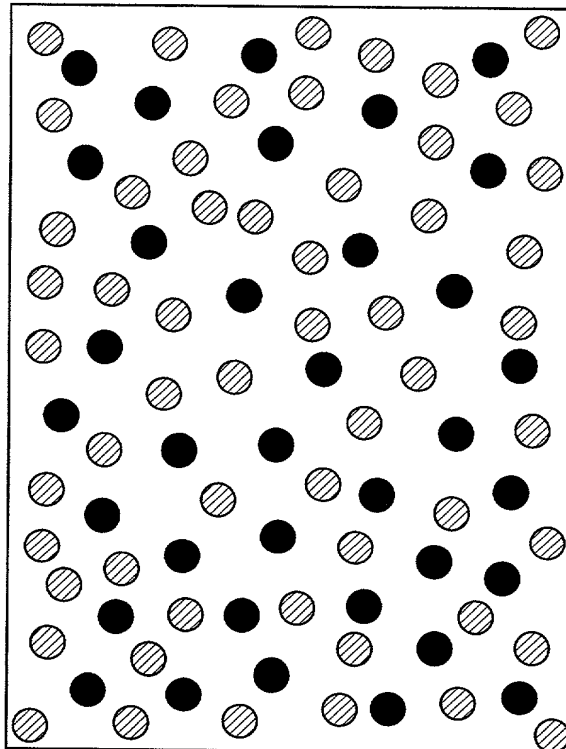


FIG.18

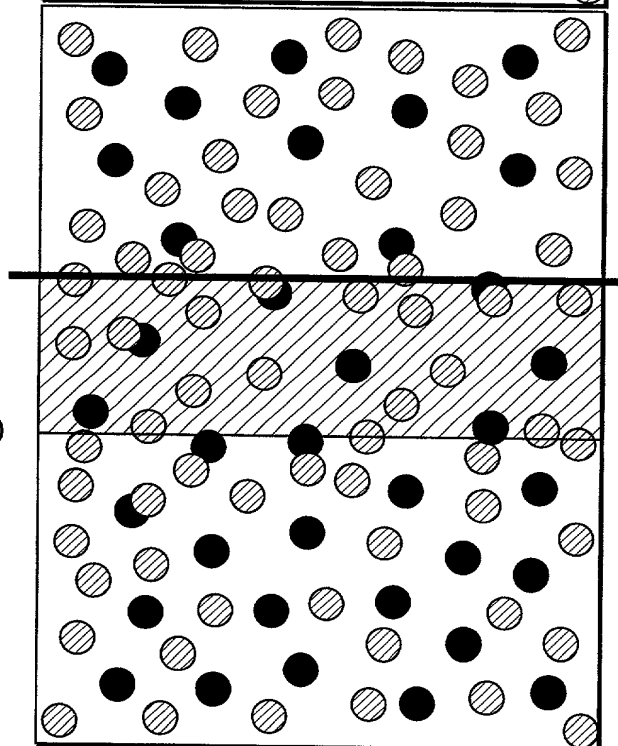
PATCH PRINTED ON
AREA OF SHEET
WHICH IS ENSURED
THAT SHEET IS FED
ACCURATELY
(FIRST AREA)

FIG.19A



PATCH PRINTED ON
AREA OF SHEET
WHICH IS NOT
ENSURED
THAT SHEET IS FED
ACCURATELY
(SECOND AREA)

FIG.19B

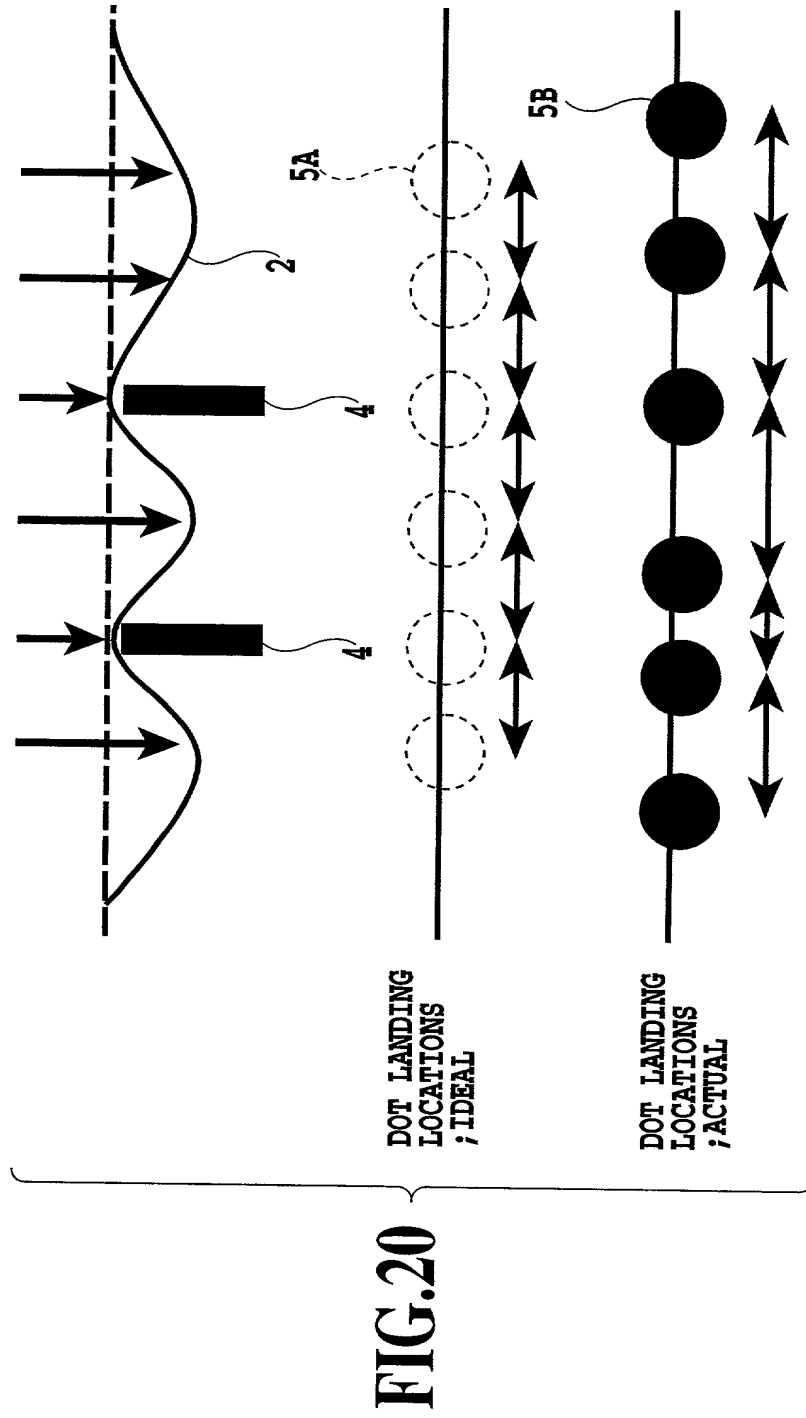


WHITE
STRIPE

WHITE
STRIPE

DOTS FORMED
IN FIRST
PASS

DOTS FORMED
IN SECOND
PASS



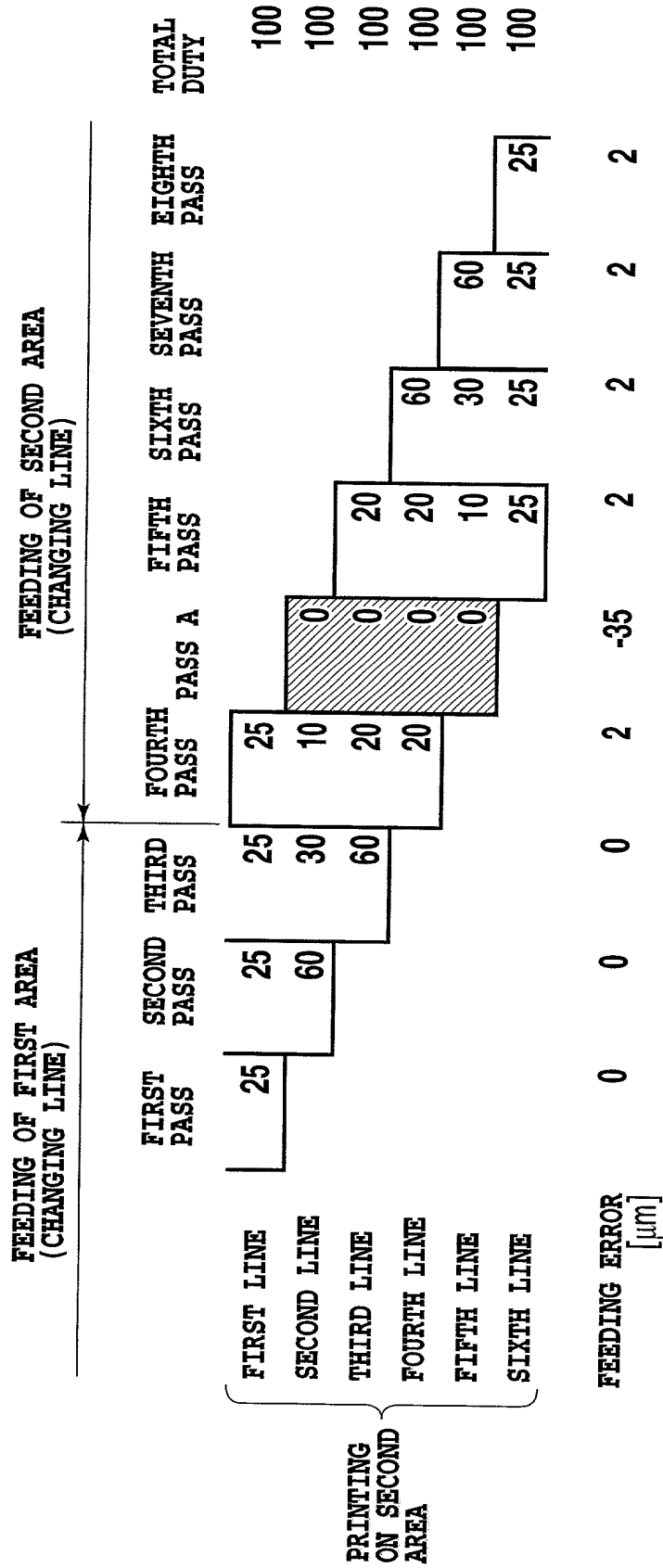
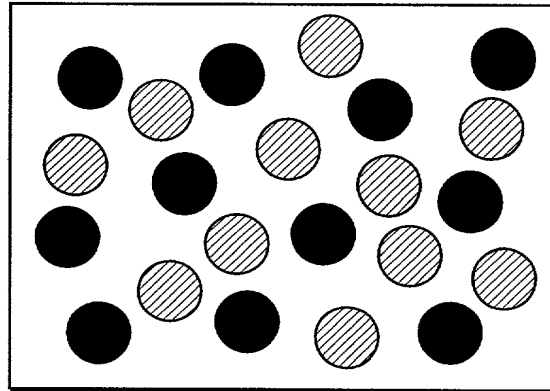


FIG.21

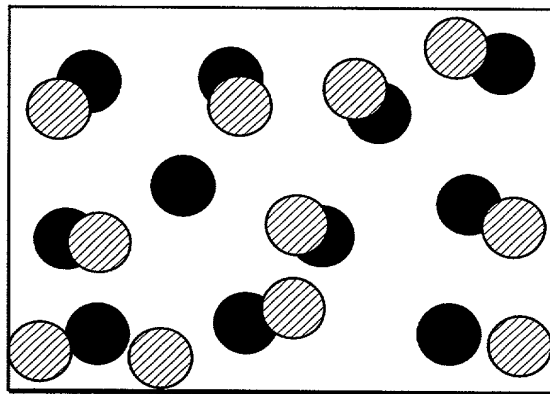


FIG.23A



DOT FORMATION WITHOUT
DEVIATION OF DOTS

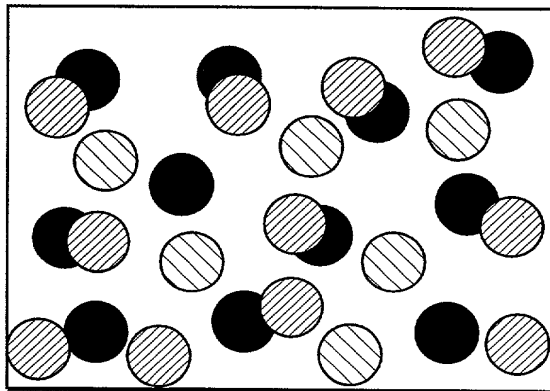
FIG.23B



DOT FORMATION WITH
DEVIATION OF DOTS
CAUSED BY FEEDING ERROR

- DOTS FORMED
IN FIRST PASS
- ◐ DOTS FORMED
IN SECOND PASS
- ◑ NOISE DOTS

FIG.23C



DOT FORMATION OBTAINED
BY ADDING NOISE DOTS
TO THAT OF FIG.23B

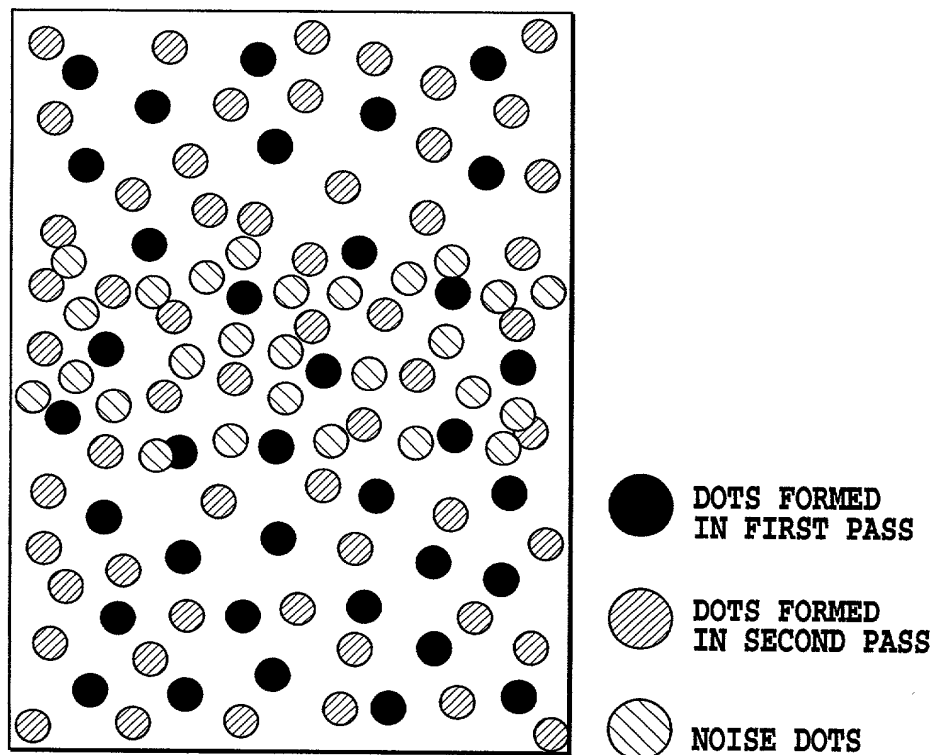


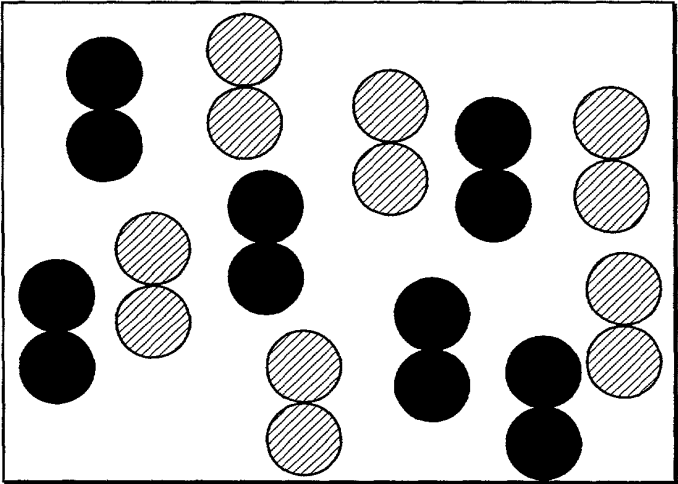
FIG.24

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FIRST NEW LINE ;NOISE: 0%
SECOND NEW LINE ;NOISE: 1%
THIRD NEW LINE ;NOISE: 3%
FOURTH NEW LINE ;NOISE: 5%
FIFTH NEW LINE ;NOISE: 3%
SIXTH NEW LINE ;NOISE: 1%
SEVENTH NEW LINE ;NOISE: 0%

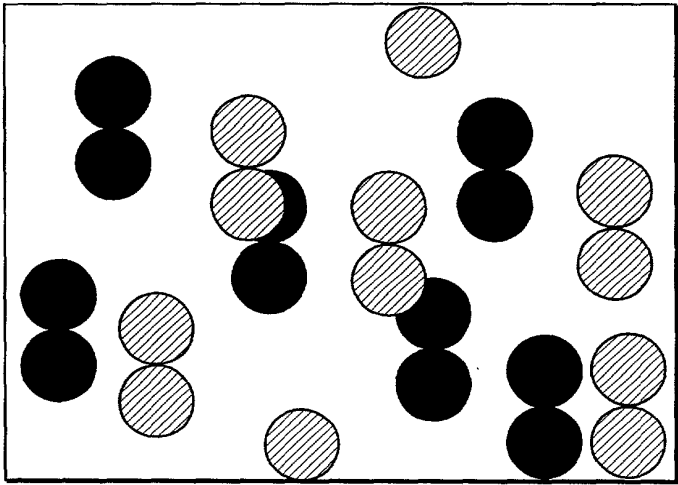
FIG.25

FIG.26A



DOT FORMATION WITHOUT FEEDING ERROR

FIG.26B



DOT FORMATION WITH FEEDING ERROR

● DOTS FORMED IN FIRST PASS
◐ DOTS FORMED IN SECOND PASS

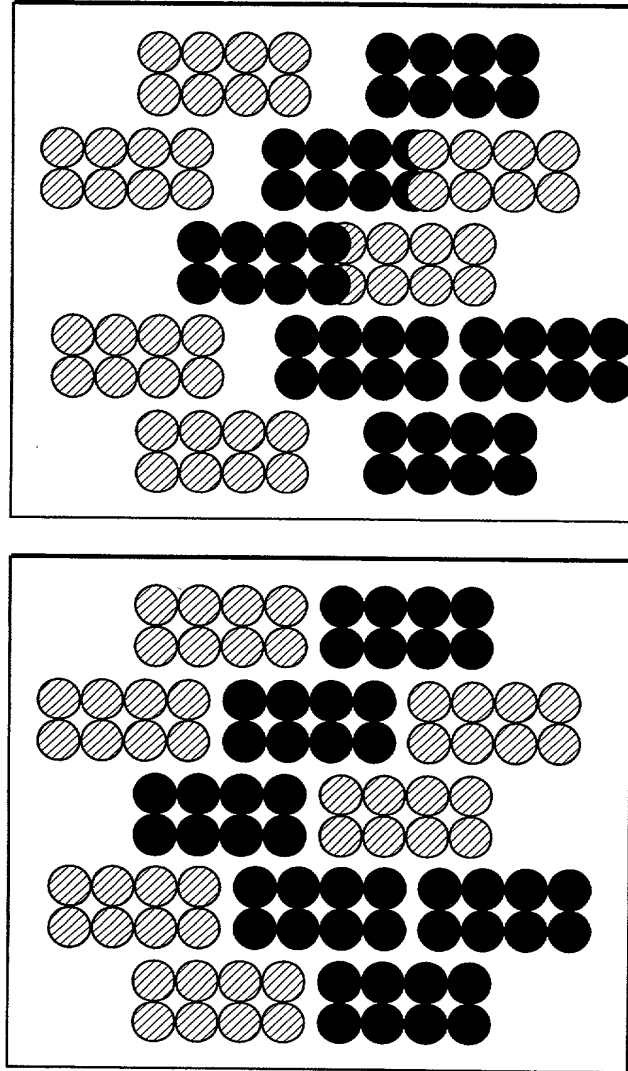
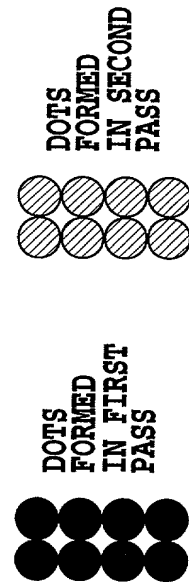
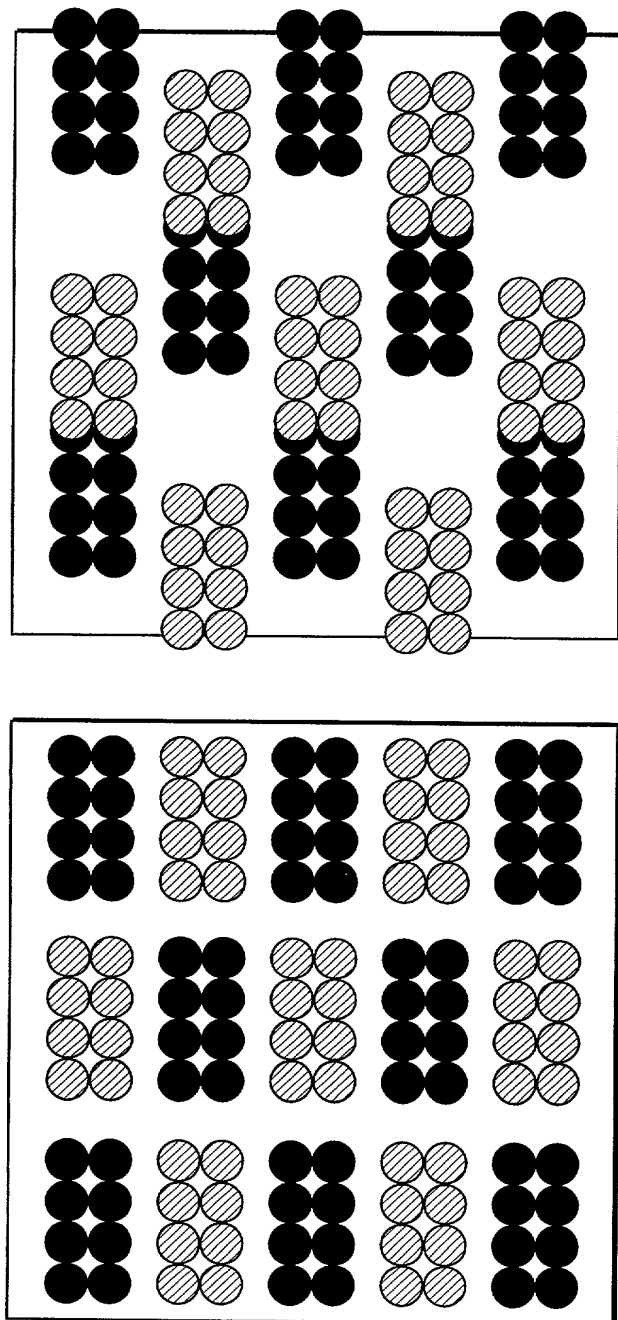


FIG.27A

FIG.27B



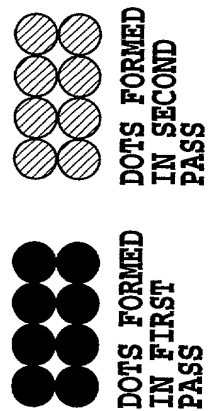


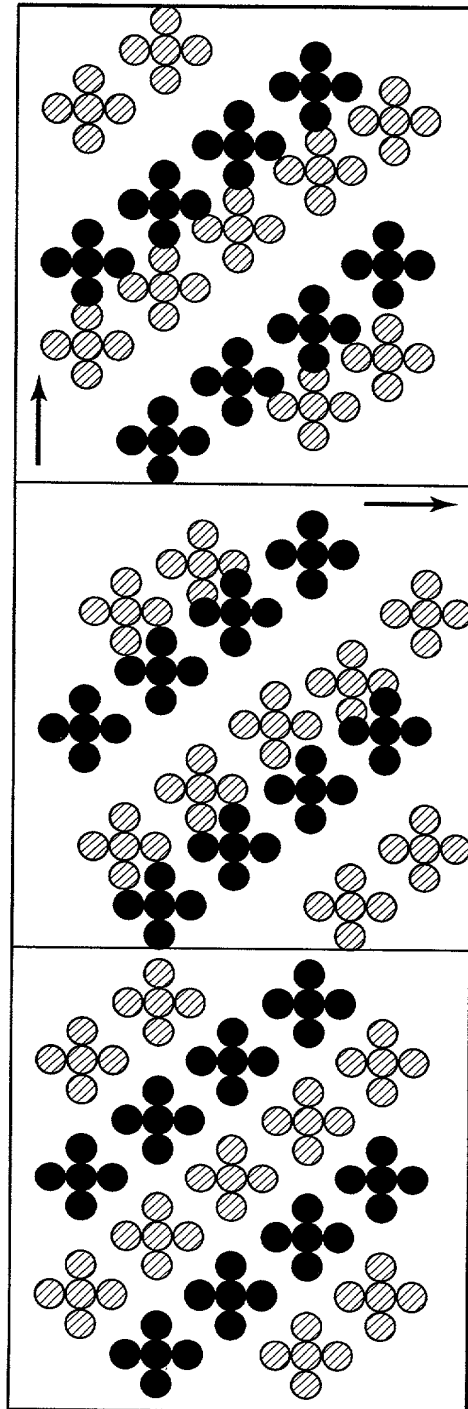
DOT FORMATION WITHOUT ERROR
IN MAIN-SCANNING DIRECTION

DOT FORMATION WITH ERROR
IN MAIN-SCANNING DIRECTION

FIG.28A

FIG.28B





DOT FORMATION
WITHOUT FEEDING ERROR

DOT FORMATION WITH ERROR
IN SUB-SCANNING DIRECTION

DOT FORMATION WITH ERROR
IN MAIN-SCANNING DIRECTION

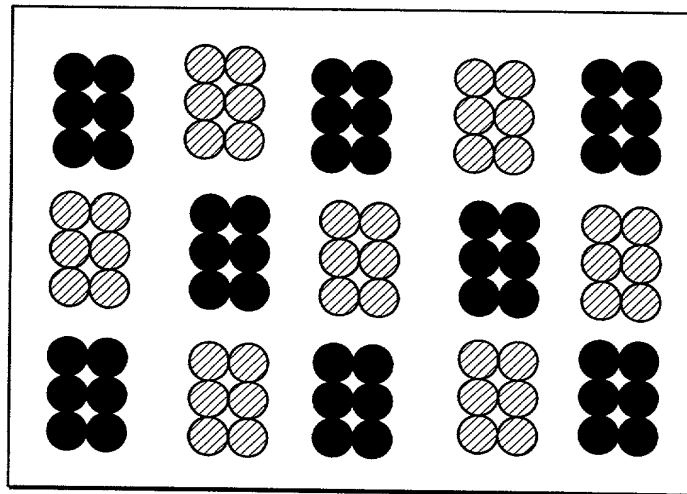
FIG.29A

FIG.29B

FIG.29C

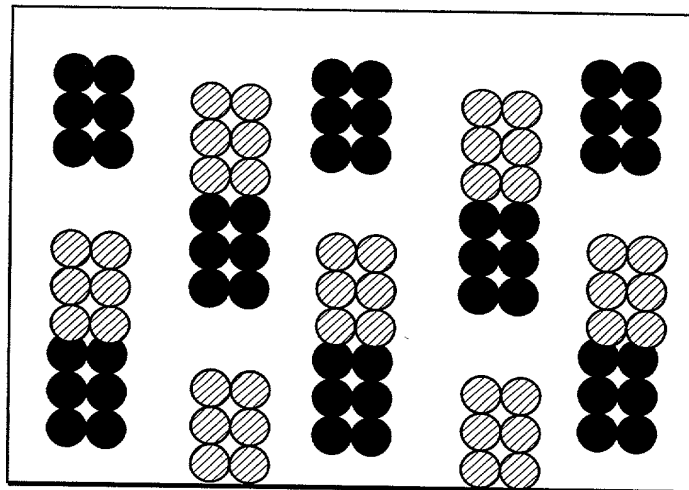


FIG.30A

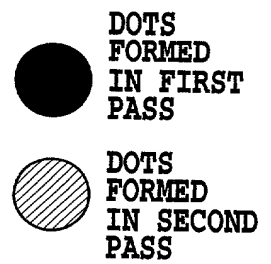


DOT FORMATION WITHOUT FEEDING ERROR

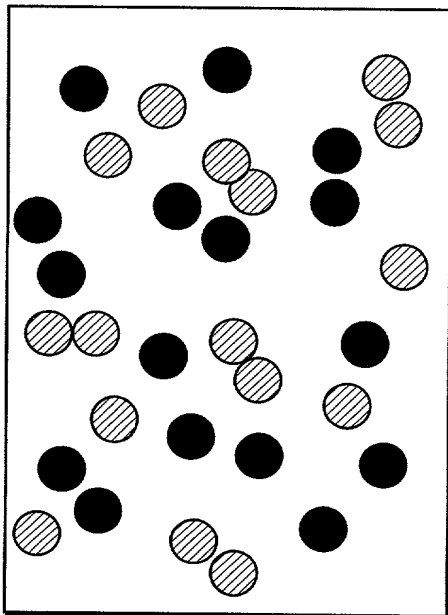
FIG.30B



DOT FORMATION WITH FEEDING ERROR

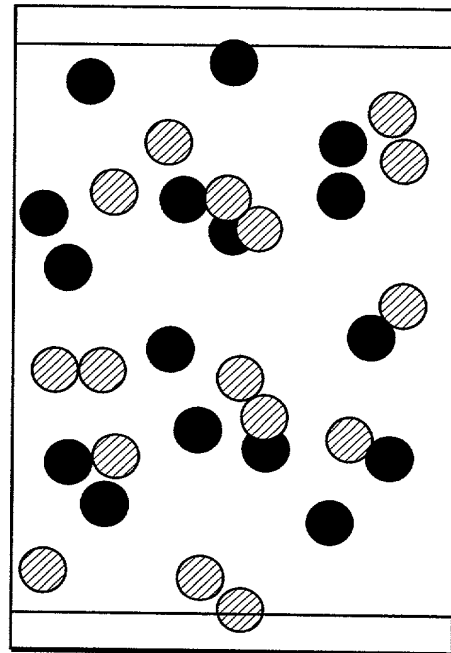


RANDOM DOT FORMATION
(CONTAINING LOW FREQUENCY COMPONENTS)





DOT FORMATION
WITHOUT FEEDING ERROR

FIG.31A

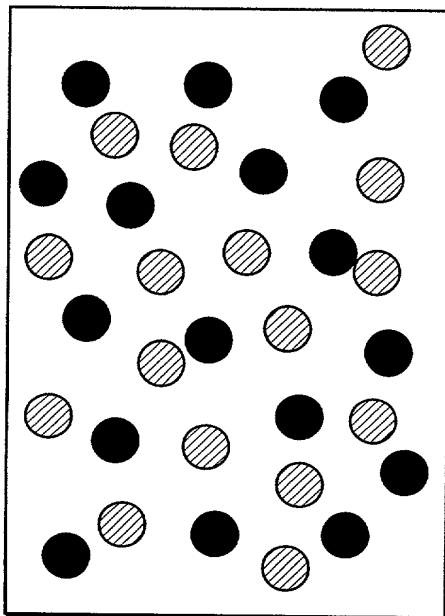


DOT FORMATION
WITH FEEDING ERROR

FIG.31B

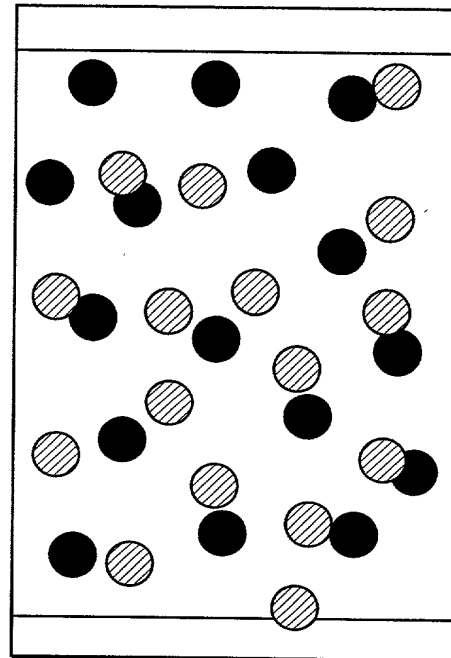
 DOTS FORMED
IN FIRST
PASS
 DOTS FORMED
IN SECOND
PASS

DOT FORMATION WITH USE OF BLUE NOISE
(HIGH FREQUENCY COMPONENTS) MASK



DOT FORMATION
WITHOUT FEEDING ERROR

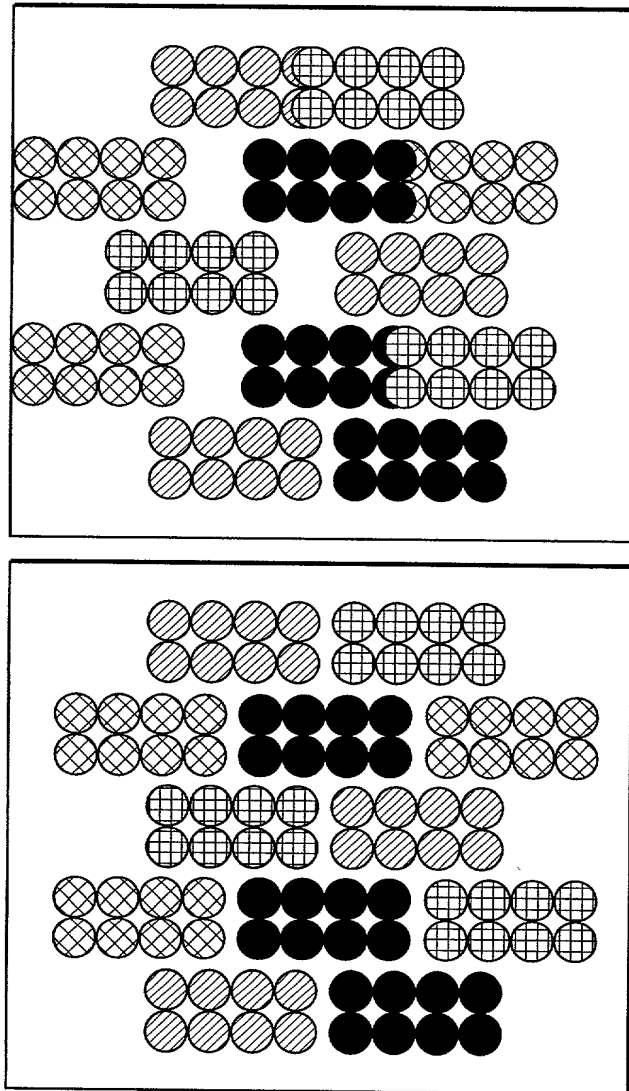
FIG.32A



DOT FORMATION
WITH FEEDING ERROR

FIG.32B

- DOTS FORMED
IN FIRST
PASS
- ◐ DOTS FORMED
IN SECOND
PASS

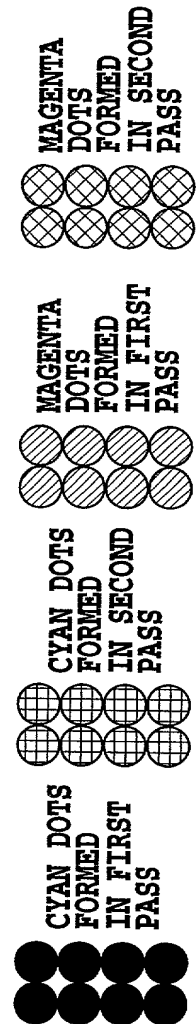


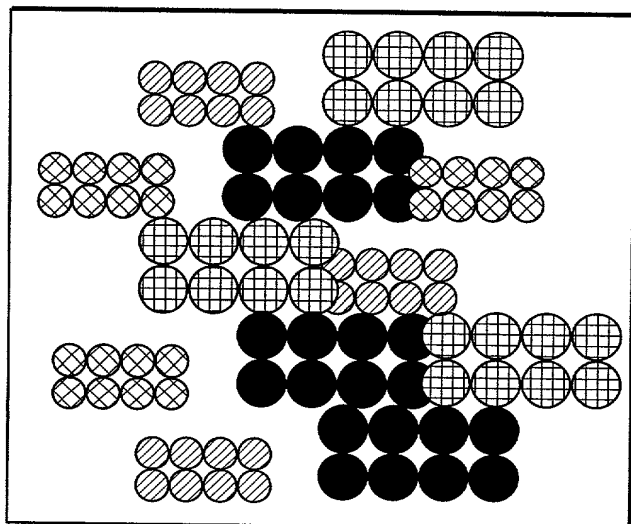
DOT FORMATION WITHOUT
FEEDING ERROR

FIG.33A

DOT FORMATION WITH
FEEDING ERROR

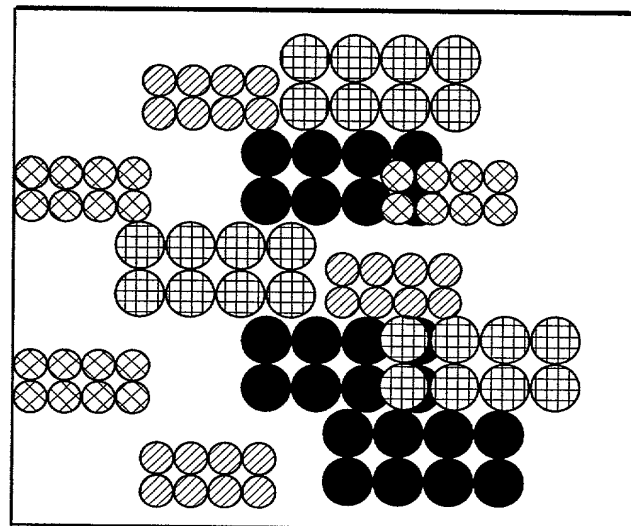
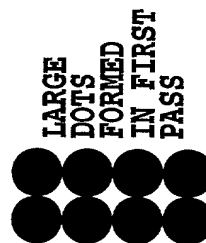
FIG.33B





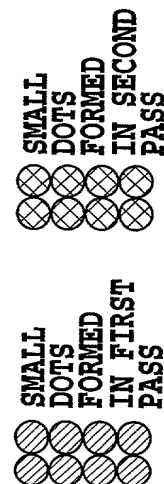
DOT FORMATION WITHOUT
FEEDING ERROR

FIG. 34A



DOT FORMATION WITH
FEEDING ERROR

FIG. 34B



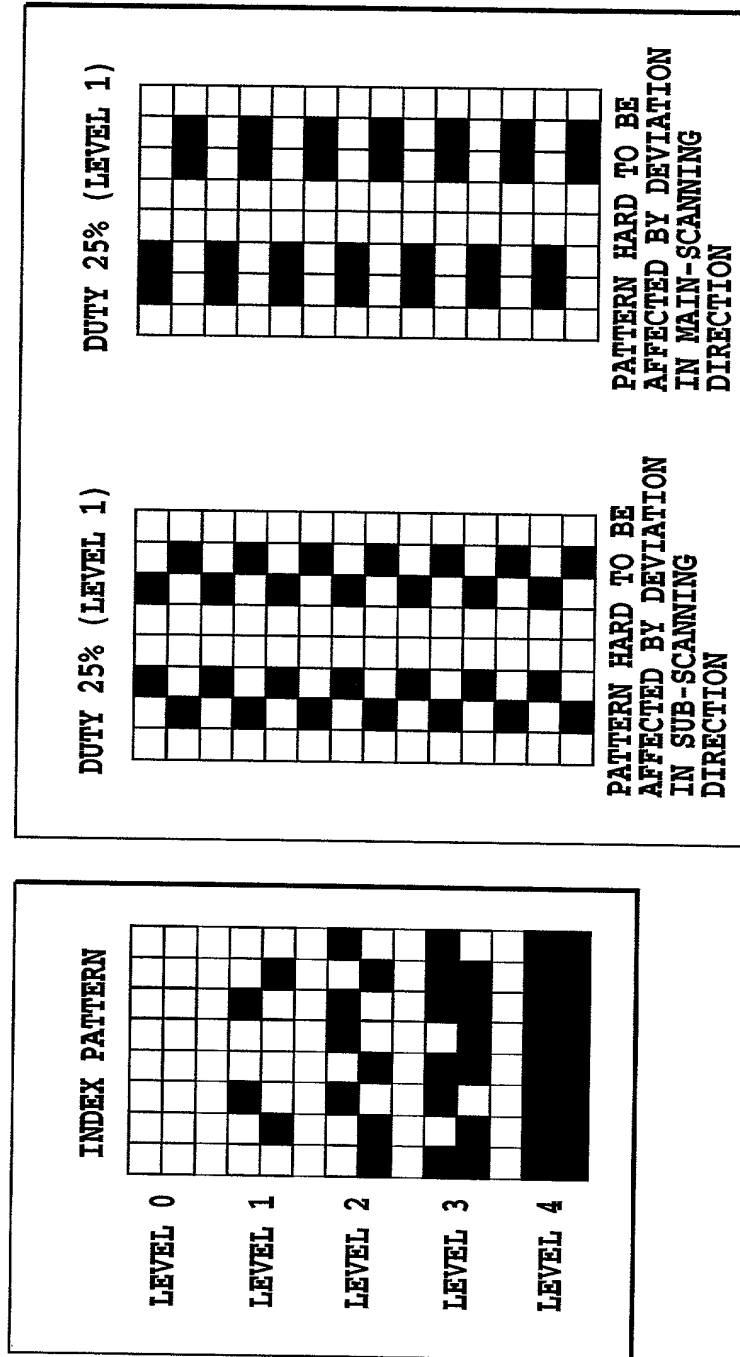


FIG.35A

FIG.35B

NORMAL DIFFUSION
COEFFICIENT

		*	7				
5	3	1	0				

FIG.36A

DIFFUSION
COEFFICIENT USED
FOR CASE OF LARGE
DEVIATION IN
MAIN-SCANNING
DIRECTION

		*	7	5	3	2	1
8	6	5	4	3	2	1	0

FIG.36B

DIFFUSION
COEFFICIENT USED
FOR CASE OF LARGE
DEVIATION IN
SUB-SCANNING
DIRECTION

		*	9	5	2	1	
8	6	5	4	3	1	1	
5	6	3	5	5	6	6	
4	4	3	4	4	5	5	
3	3	3	4	4	3	3	
1	2	6	7	8	9	0	

FIG.36C

* SUBJECT PIXEL

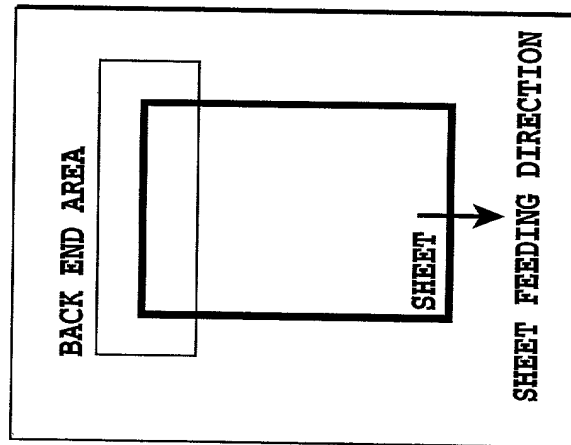


FIG. 37A

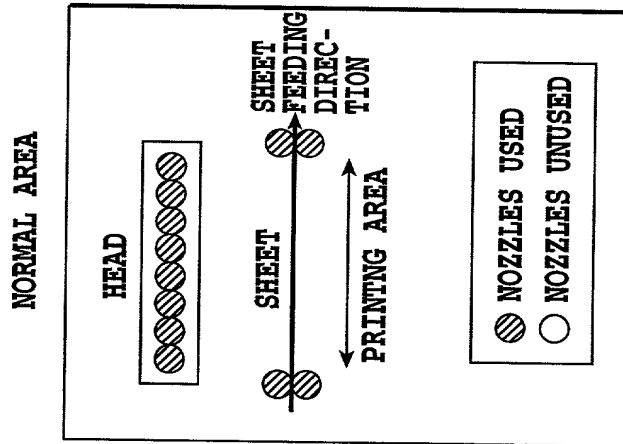


FIG. 37B

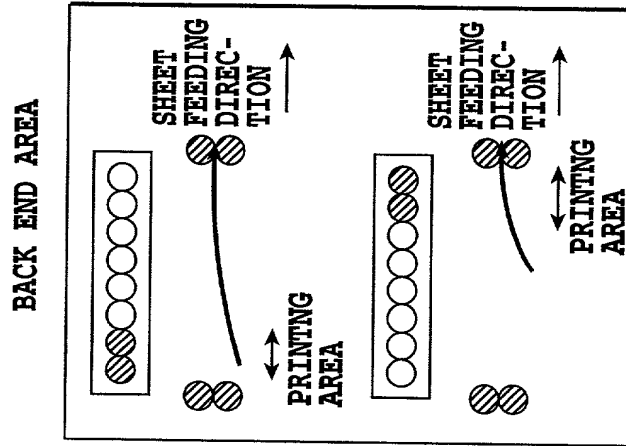


FIG. 37C

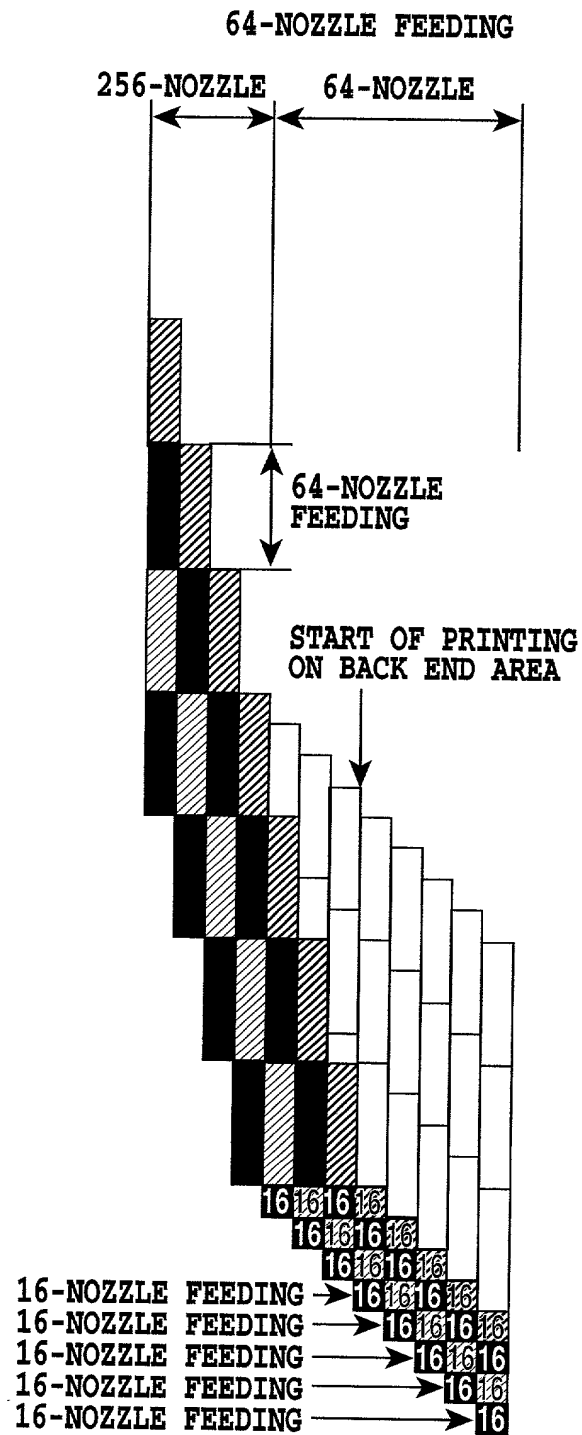


FIG.38A

63-NOZZLE FEEDING

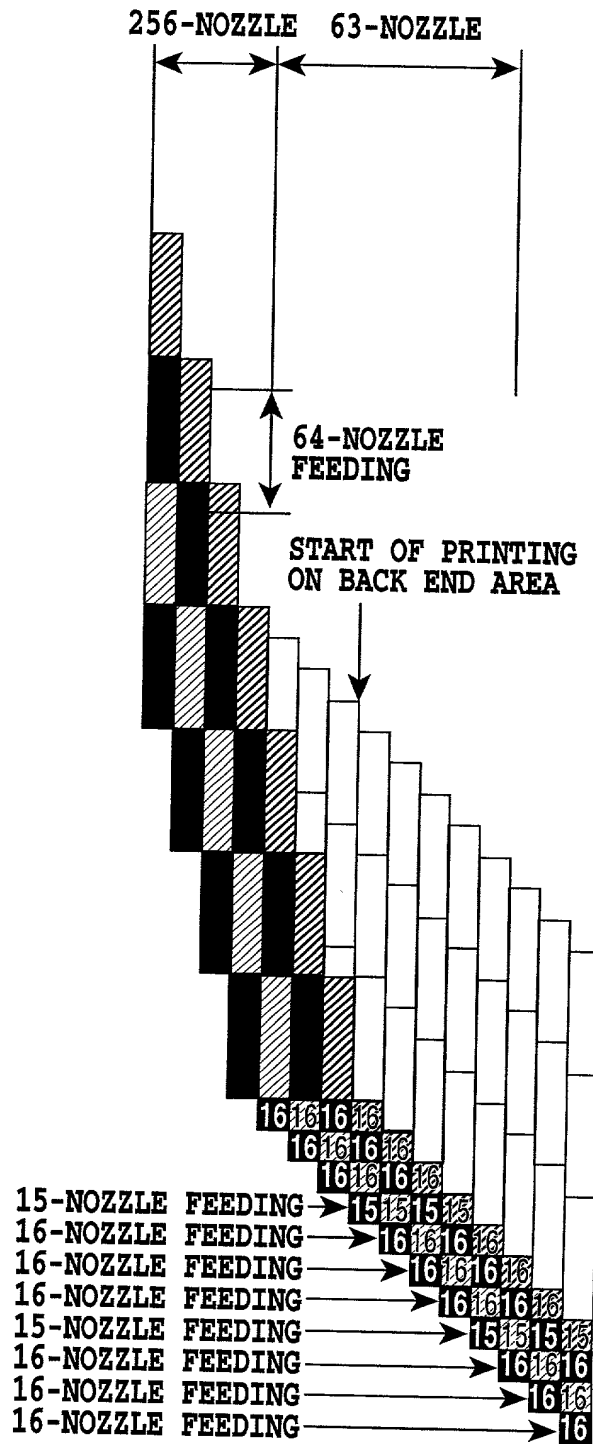


FIG.38B



FRONT END PROCESS (4-PASS)
64/256-NOZZLE FEEDING

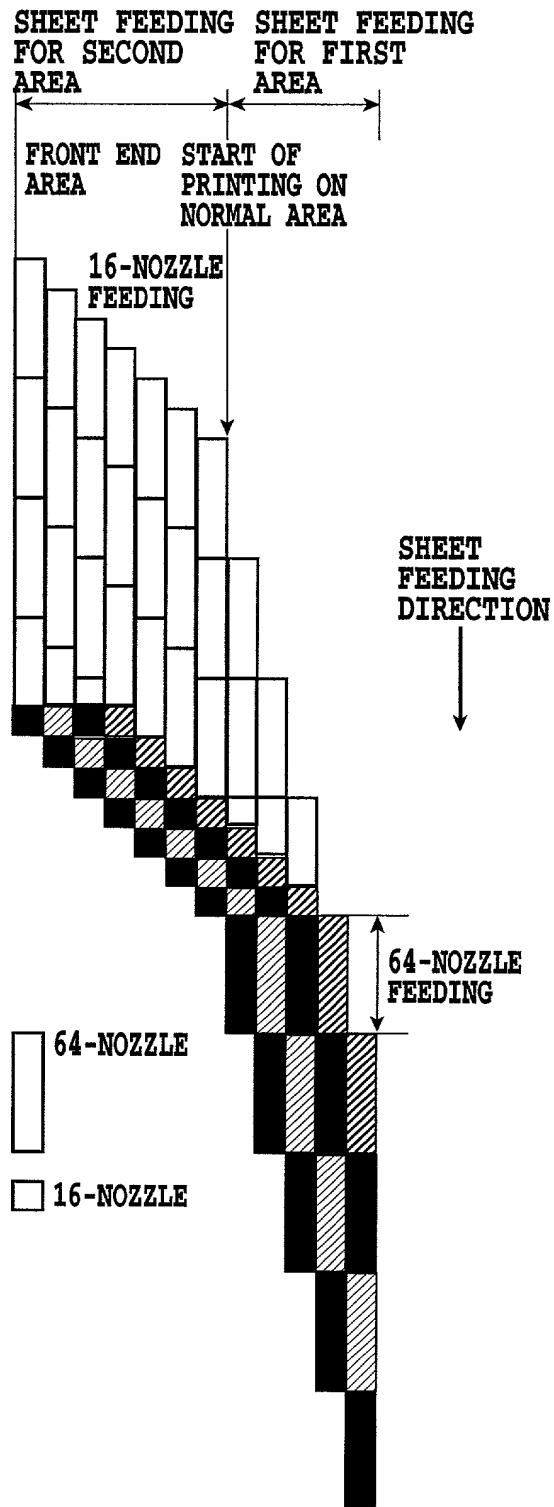


FIG.39A

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BACK END PROCESS (4-PASS)
256/64-NOZZLE FEEDING

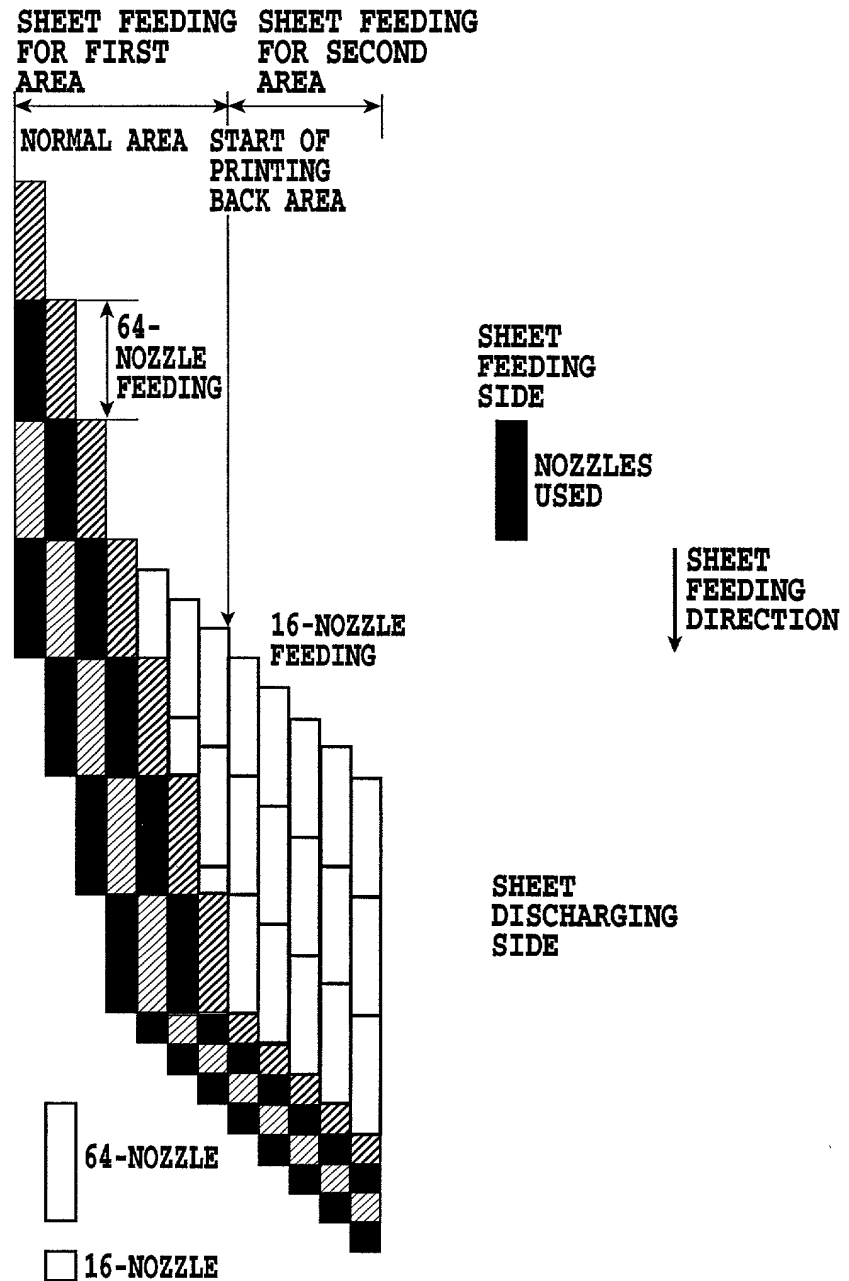


FIG.39B

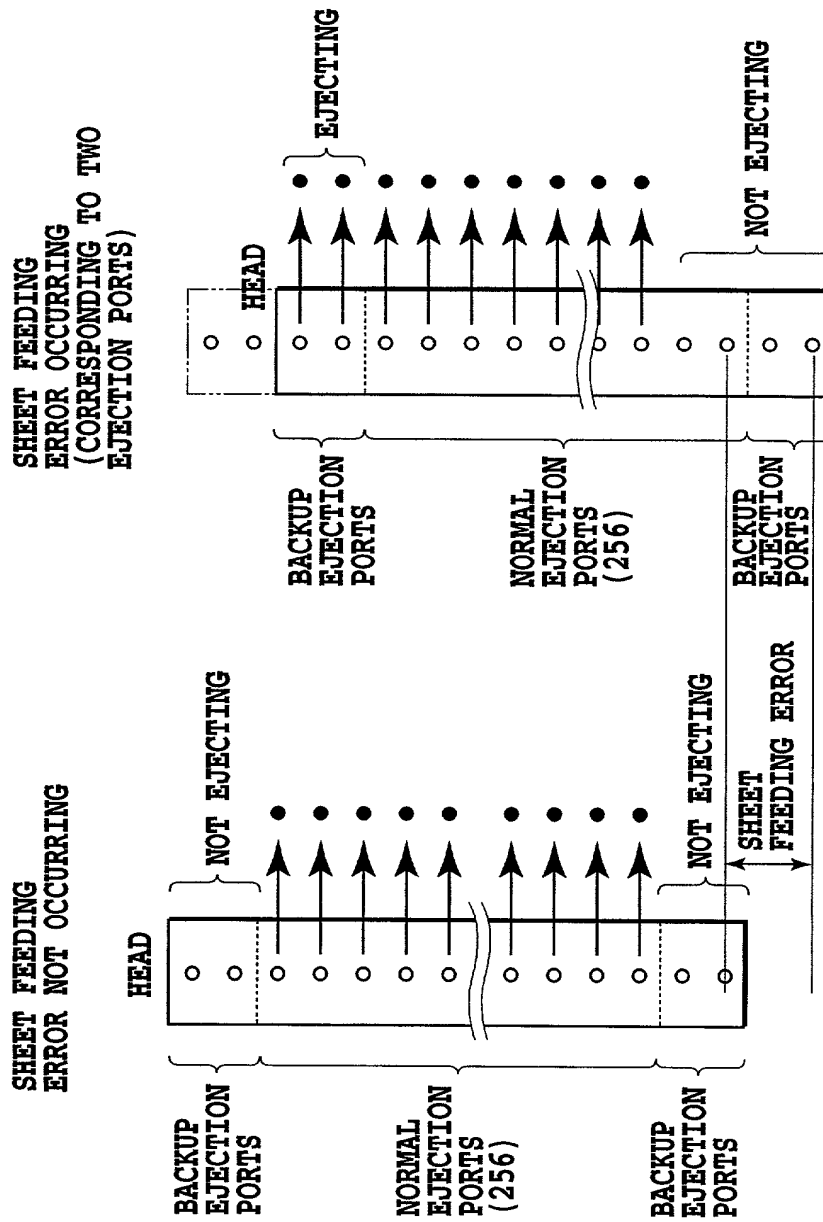


FIG.40

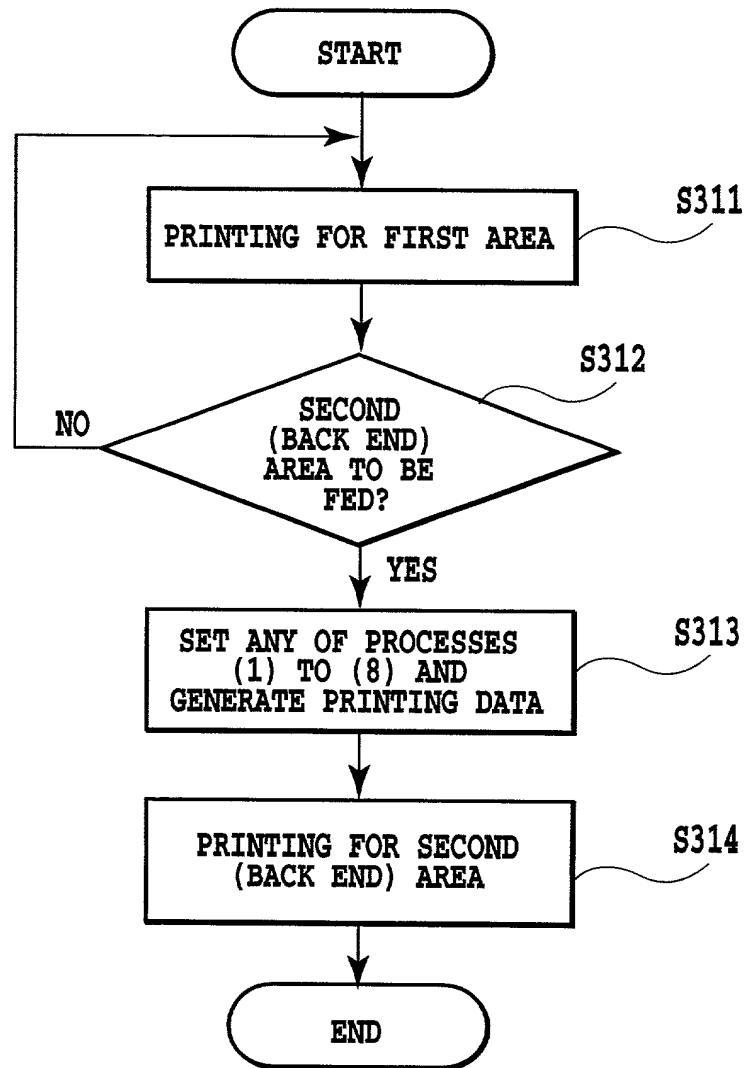


FIG.41

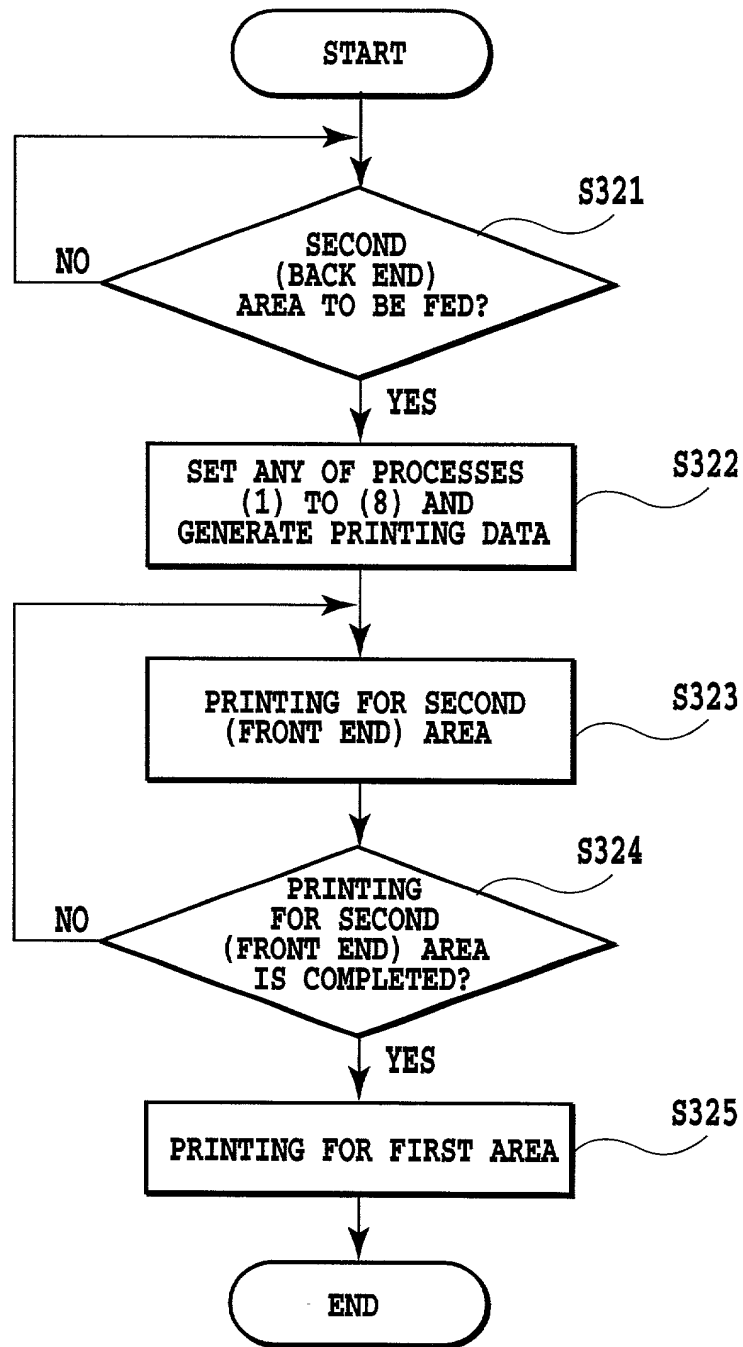


FIG.42

